

Equipment Name	200L Fermenter
Equipment ID	BMP4-FER-01
User Name/Access Name	BMP4\Emerson
Start Date & Time	01/10/2020 00:00:00
End Date & Time	03/10/2020 23:59:00
Batch Number	200L PRE CHECK
IOP/SOP Detail	IOP / SOP No
Time Interval (Mins)	10(In Min)

<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
01/10/2020 00:00:00	15.3	121.0
01/10/2020 00:10:00	15.3	121.0
01/10/2020 00:20:00	15.3	121.0
01/10/2020 00:30:00	15.3	121.0
01/10/2020 00:40:00	15.3	121.0
01/10/2020 00:50:00	15.3	121.0
01/10/2020 01:00:00	15.3	121.0
01/10/2020 01:10:00	15.3	121.0
01/10/2020 01:20:00	15.2	121.0
01/10/2020 01:30:00	15.2	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
01/10/2020 01:40:00	15.2	121.0
01/10/2020 01:50:00	15.2	121.0
01/10/2020 02:00:00	15.2	121.0
01/10/2020 02:10:00	15.2	121.0
01/10/2020 02:20:00	15.1	121.0
01/10/2020 02:30:00	15.1	121.0
01/10/2020 02:40:00	15.1	121.0
01/10/2020 02:50:00	15.1	121.0
01/10/2020 03:00:00	15.0	121.0
01/10/2020 03:10:00	15.0	121.0
01/10/2020 03:20:00	15.0	121.0
01/10/2020 03:30:00	15.0	121.0
01/10/2020 03:40:00	15.0	121.0
01/10/2020 03:50:00	15.0	121.0
01/10/2020 04:00:00	15.0	121.0
01/10/2020 04:10:00	15.0	121.0
01/10/2020 04:20:00	14.9	121.0
01/10/2020 04:30:00	14.9	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
01/10/2020 04:40:00	14.9	121.0
01/10/2020 04:50:00	14.9	121.0
01/10/2020 05:00:00	14.9	121.0
01/10/2020 05:10:00	14.9	121.0
01/10/2020 05:20:00	14.9	121.0
01/10/2020 05:30:00	14.8	121.0
01/10/2020 05:40:00	14.8	121.0
01/10/2020 05:50:00	14.8	121.0
01/10/2020 06:00:00	14.8	121.0
01/10/2020 06:10:00	14.8	121.0
01/10/2020 06:20:00	14.8	121.0
01/10/2020 06:30:00	14.8	121.0
01/10/2020 06:40:00	14.8	121.0
01/10/2020 06:50:00	14.8	121.0
01/10/2020 07:00:00	14.8	121.0
01/10/2020 07:10:00	14.8	121.0
01/10/2020 07:20:00	14.8	121.0
01/10/2020 07:30:00	14.7	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
01/10/2020 07:40:00	14.7	121.0
01/10/2020 07:50:00	14.7	121.0
01/10/2020 08:00:00	14.7	121.0
01/10/2020 08:10:00	14.7	121.0
01/10/2020 08:20:00	14.7	121.0
01/10/2020 08:30:00	14.7	121.0
01/10/2020 08:40:00	14.7	121.0
01/10/2020 08:50:00	14.7	121.0
01/10/2020 09:00:00	14.7	121.0
01/10/2020 09:10:00	14.7	121.0
01/10/2020 09:20:00	14.7	121.0
01/10/2020 09:30:00	14.7	121.0
01/10/2020 09:40:00	14.7	121.0
01/10/2020 09:50:00	14.7	121.0
01/10/2020 10:00:00	14.7	121.0
01/10/2020 10:10:00	14.7	121.0
01/10/2020 10:20:00	14.8	121.0
01/10/2020 10:30:00	15.7	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
01/10/2020 10:40:00	16.6	121.0
01/10/2020 10:50:00	17.4	121.0
01/10/2020 11:00:00	18.0	121.0
01/10/2020 11:10:00	18.6	121.0
01/10/2020 11:20:00	19.1	121.0
01/10/2020 11:30:00	19.3	121.0
01/10/2020 11:40:00	19.4	121.0
01/10/2020 11:50:00	19.8	121.0
01/10/2020 12:00:00	20.1	121.0
01/10/2020 12:10:00	20.2	121.0
01/10/2020 12:20:00	21.3	121.0
01/10/2020 12:30:00	22.3	121.0
01/10/2020 12:40:00	22.4	121.0
01/10/2020 12:50:00	22.0	121.0
01/10/2020 13:00:00	21.3	121.0
01/10/2020 13:10:00	20.7	121.0
01/10/2020 13:20:00	20.3	121.0
01/10/2020 13:30:00	20.0	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
01/10/2020 13:40:00	19.8	121.0
01/10/2020 13:50:00	19.5	121.0
01/10/2020 14:00:00	19.4	121.0
01/10/2020 14:10:00	19.2	121.0
01/10/2020 14:20:00	19.3	121.0
01/10/2020 14:30:00	19.6	121.0
01/10/2020 14:40:00	20.3	121.0
01/10/2020 14:50:00	21.0	121.0
01/10/2020 15:00:00	21.5	121.0
01/10/2020 15:10:00	22.2	121.0
01/10/2020 15:20:00	22.7	121.0
01/10/2020 15:30:00	22.6	121.0
01/10/2020 15:40:00	22.5	121.0
01/10/2020 15:50:00	22.5	121.0
01/10/2020 16:00:00	22.9	121.0
01/10/2020 16:10:00	22.3	121.0
01/10/2020 16:20:00	22.4	121.0
01/10/2020 16:30:00	22.8	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
01/10/2020 16:40:00	23.1	121.0
01/10/2020 16:50:00	23.3	121.0
01/10/2020 17:00:00	23.5	121.0
01/10/2020 17:10:00	23.6	121.0
01/10/2020 17:20:00	23.9	121.0
01/10/2020 17:30:00	24.1	121.0
01/10/2020 17:40:00	24.3	121.0
01/10/2020 17:50:00	24.4	121.0
01/10/2020 18:00:00	24.6	121.0
01/10/2020 18:10:00	24.7	121.0
01/10/2020 18:20:00	24.7	121.0
01/10/2020 18:30:00	24.8	121.0
01/10/2020 18:40:00	24.8	121.0
01/10/2020 18:50:00	24.8	121.0
01/10/2020 19:00:00	24.8	121.0
01/10/2020 19:10:00	24.8	121.0
01/10/2020 19:20:00	24.8	121.0
01/10/2020 19:30:00	24.9	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
01/10/2020 19:40:00	25.0	121.0
01/10/2020 19:50:00	25.0	121.0
01/10/2020 20:00:00	25.1	121.0
01/10/2020 20:10:00	25.1	121.0
01/10/2020 20:20:00	25.2	121.0
01/10/2020 20:30:00	25.2	121.0
01/10/2020 20:40:00	25.3	121.0
01/10/2020 20:50:00	25.3	121.0
01/10/2020 21:00:00	25.4	121.0
01/10/2020 21:10:00	25.4	121.0
01/10/2020 21:20:00	25.5	121.0
01/10/2020 21:30:00	25.5	121.0
01/10/2020 21:40:00	25.5	121.0
01/10/2020 21:50:00	25.6	121.0
01/10/2020 22:00:00	25.6	121.0
01/10/2020 22:10:00	25.7	121.0
01/10/2020 22:20:00	25.7	121.0
01/10/2020 22:30:00	25.7	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
01/10/2020 22:40:00	25.8	121.0
01/10/2020 22:50:00	25.8	121.0
01/10/2020 23:00:00	25.8	121.0
01/10/2020 23:10:00	25.8	121.0
01/10/2020 23:20:00	25.9	121.0
01/10/2020 23:30:00	25.9	121.0
01/10/2020 23:40:00	25.9	121.0
01/10/2020 23:50:00	26.0	121.0
02/10/2020 00:00:00	26.0	121.0
02/10/2020 00:10:00	26.0	121.0
02/10/2020 00:20:00	26.1	121.0
02/10/2020 00:30:00	26.1	121.0
02/10/2020 00:40:00	26.1	121.0
02/10/2020 00:50:00	26.1	121.0
02/10/2020 01:00:00	26.2	121.0
02/10/2020 01:10:00	26.2	121.0
02/10/2020 01:20:00	26.2	121.0
02/10/2020 01:30:00	26.2	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
02/10/2020 01:40:00	26.2	121.0
02/10/2020 01:50:00	26.2	121.0
02/10/2020 02:00:00	26.3	121.0
02/10/2020 02:10:00	26.3	121.0
02/10/2020 02:20:00	26.3	121.0
02/10/2020 02:30:00	26.3	121.0
02/10/2020 02:40:00	26.3	121.0
02/10/2020 02:50:00	26.3	121.0
02/10/2020 03:00:00	26.4	121.0
02/10/2020 03:10:00	26.4	121.0
02/10/2020 03:20:00	26.4	121.0
02/10/2020 03:30:00	26.4	121.0
02/10/2020 03:40:00	26.4	121.0
02/10/2020 03:50:00	26.4	121.0
02/10/2020 04:00:00	26.4	121.0
02/10/2020 04:10:00	26.4	121.0
02/10/2020 04:20:00	26.5	121.0
02/10/2020 04:30:00	26.5	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
02/10/2020 04:40:00	26.5	121.0
02/10/2020 04:50:00	26.5	121.0
02/10/2020 05:00:00	26.5	121.0
02/10/2020 05:10:00	26.5	121.0
02/10/2020 05:20:00	26.5	121.0
02/10/2020 05:30:00	26.5	121.0
02/10/2020 05:40:00	26.5	121.0
02/10/2020 05:50:00	26.5	121.0
02/10/2020 06:00:00	26.5	121.0
02/10/2020 06:10:00	26.5	121.0
02/10/2020 06:20:00	26.5	121.0
02/10/2020 06:30:00	26.5	121.0
02/10/2020 06:40:00	26.5	121.0
02/10/2020 06:50:00	26.5	121.0
02/10/2020 07:00:00	26.5	121.0
02/10/2020 07:10:00	26.5	121.0
02/10/2020 07:20:00	26.5	121.0
02/10/2020 07:30:00	26.5	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
02/10/2020 07:40:00	26.4	121.0
02/10/2020 07:50:00	26.3	121.0
02/10/2020 08:00:00	26.3	121.0
02/10/2020 08:10:00	26.2	121.0
02/10/2020 08:20:00	26.2	121.0
02/10/2020 08:30:00	26.1	121.0
02/10/2020 08:40:00	26.1	121.0
02/10/2020 08:50:00	26.1	121.0
02/10/2020 09:00:00	26.1	121.0
02/10/2020 09:10:00	26.0	121.0
02/10/2020 09:20:00	26.0	121.0
02/10/2020 09:30:00	26.0	121.0
02/10/2020 09:40:00	26.0	121.0
02/10/2020 09:50:00	26.0	121.0
02/10/2020 10:00:00	26.0	121.0
02/10/2020 10:10:00	26.0	121.0
02/10/2020 10:20:00	26.0	121.0
02/10/2020 10:30:00	26.0	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
02/10/2020 10:40:00	26.0	121.0
02/10/2020 10:50:00	26.0	121.0
02/10/2020 11:00:00	26.0	121.0
02/10/2020 11:10:00	26.0	121.0
02/10/2020 11:20:00	26.0	121.0
02/10/2020 11:30:00	26.1	121.0
02/10/2020 11:40:00	26.1	121.0
02/10/2020 11:50:00	26.1	121.0
02/10/2020 12:00:00	26.1	121.0
02/10/2020 12:10:00	26.1	121.0
02/10/2020 12:20:00	26.1	121.0
02/10/2020 12:30:00	26.1	121.0
02/10/2020 12:40:00	26.1	121.0
02/10/2020 12:50:00	26.1	121.0
02/10/2020 13:00:00	26.1	121.0
02/10/2020 13:10:00	26.1	121.0
02/10/2020 13:20:00	26.2	121.0
02/10/2020 13:30:00	26.2	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
02/10/2020 13:40:00	26.2	121.0
02/10/2020 13:50:00	26.2	121.0
02/10/2020 14:00:00	26.2	121.0
02/10/2020 14:10:00	26.2	121.0
02/10/2020 14:20:00	26.2	121.0
02/10/2020 14:30:00	26.2	121.0
02/10/2020 14:40:00	26.2	121.0
02/10/2020 14:50:00	26.3	121.0
02/10/2020 15:00:00	26.3	121.0
02/10/2020 15:10:00	26.3	121.0
02/10/2020 15:20:00	26.3	121.0
02/10/2020 15:30:00	26.3	121.0
02/10/2020 15:40:00	26.3	121.0
02/10/2020 15:50:00	26.3	121.0
02/10/2020 16:00:00	26.3	121.0
02/10/2020 16:10:00	26.3	121.0
02/10/2020 16:20:00	26.3	121.0
02/10/2020 16:30:00	26.3	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
02/10/2020 16:40:00	26.3	121.0
02/10/2020 16:50:00	26.4	121.0
02/10/2020 17:00:00	26.4	121.0
02/10/2020 17:10:00	26.4	121.0
02/10/2020 17:20:00	26.4	121.0
02/10/2020 17:30:00	26.4	121.0
02/10/2020 17:40:00	26.4	121.0
02/10/2020 17:50:00	26.4	121.0
02/10/2020 18:00:00	26.4	121.0
02/10/2020 18:10:00	26.4	121.0
02/10/2020 18:20:00	26.4	121.0
02/10/2020 18:30:00	26.4	121.0
02/10/2020 18:40:00	26.5	121.0
02/10/2020 18:50:00	26.5	121.0
02/10/2020 19:00:00	26.5	121.0
02/10/2020 19:10:00	26.5	121.0
02/10/2020 19:20:00	26.5	121.0
02/10/2020 19:30:00	26.5	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
02/10/2020 19:40:00	26.5	121.0
02/10/2020 19:50:00	26.5	121.0
02/10/2020 20:00:00	26.5	121.0
02/10/2020 20:10:00	26.5	121.0
02/10/2020 20:20:00	26.5	121.0
02/10/2020 20:30:00	26.5	121.0
02/10/2020 20:40:00	26.5	121.0
02/10/2020 20:50:00	26.5	121.0
02/10/2020 21:00:00	26.5	121.0
02/10/2020 21:10:00	26.5	121.0
02/10/2020 21:20:00	26.6	121.0
02/10/2020 21:30:00	26.6	121.0
02/10/2020 21:40:00	26.6	121.0
02/10/2020 21:50:00	26.6	121.0
02/10/2020 22:00:00	26.6	121.0
02/10/2020 22:10:00	26.6	121.0
02/10/2020 22:20:00	26.6	121.0
02/10/2020 22:30:00	26.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
02/10/2020 22:40:00	26.6	121.0
02/10/2020 22:50:00	26.6	121.0
02/10/2020 23:00:00	26.6	121.0
02/10/2020 23:10:00	26.6	121.0
02/10/2020 23:20:00	26.6	121.0
02/10/2020 23:30:00	26.6	121.0
02/10/2020 23:40:00	26.6	121.0
02/10/2020 23:50:00	26.6	121.0
03/10/2020 00:00:00	26.6	121.0
03/10/2020 00:10:00	26.6	121.0
03/10/2020 00:20:00	26.6	121.0
03/10/2020 00:30:00	26.6	121.0
03/10/2020 00:40:00	26.6	121.0
03/10/2020 00:50:00	26.6	121.0
03/10/2020 01:00:00	26.6	121.0
03/10/2020 01:10:00	26.6	121.0
03/10/2020 01:20:00	26.6	121.0
03/10/2020 01:30:00	26.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:16		Page 17 of 905

<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
03/10/2020 01:40:00	26.6	121.0
03/10/2020 01:50:00	26.6	121.0
03/10/2020 02:00:00	26.6	121.0
03/10/2020 02:10:00	26.6	121.0
03/10/2020 02:20:00	26.6	121.0
03/10/2020 02:30:00	26.6	121.0
03/10/2020 02:40:00	26.5	121.0
03/10/2020 02:50:00	26.5	121.0
03/10/2020 03:00:00	26.5	121.0
03/10/2020 03:10:00	26.5	121.0
03/10/2020 03:20:00	26.5	121.0
03/10/2020 03:30:00	26.5	121.0
03/10/2020 03:40:00	26.5	121.0
03/10/2020 03:50:00	26.5	121.0
03/10/2020 04:00:00	26.5	121.0
03/10/2020 04:10:00	26.5	121.0
03/10/2020 04:20:00	26.5	121.0
03/10/2020 04:30:00	26.5	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
03/10/2020 04:40:00	26.5	121.0
03/10/2020 04:50:00	26.5	121.0
03/10/2020 05:00:00	26.5	121.0
03/10/2020 05:10:00	26.5	121.0
03/10/2020 05:20:00	26.5	121.0
03/10/2020 05:30:00	26.5	121.0
03/10/2020 05:40:00	26.5	121.0
03/10/2020 05:50:00	26.5	121.0
03/10/2020 06:00:00	26.5	121.0
03/10/2020 06:10:00	26.4	121.0
03/10/2020 06:20:00	26.4	121.0
03/10/2020 06:30:00	26.4	121.0
03/10/2020 06:40:00	26.3	121.0
03/10/2020 06:50:00	26.3	121.0
03/10/2020 07:00:00	26.3	121.0
03/10/2020 07:10:00	26.3	121.0
03/10/2020 07:20:00	26.3	121.0
03/10/2020 07:30:00	26.3	121.0

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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
03/10/2020 07:40:00	26.3	121.0
03/10/2020 07:50:00	26.2	121.0
03/10/2020 08:00:00	26.3	121.0
03/10/2020 08:10:00	26.3	121.0
03/10/2020 08:20:00	26.3	121.0
03/10/2020 08:30:00	26.3	121.0
03/10/2020 08:40:00	26.4	121.0
03/10/2020 08:50:00	26.4	121.0
03/10/2020 09:00:00	26.4	121.0
03/10/2020 09:10:00	26.4	121.0
03/10/2020 09:20:00	26.4	121.0
03/10/2020 09:30:00	26.5	121.0
03/10/2020 09:40:00	26.5	121.0
03/10/2020 09:50:00	26.5	121.0
03/10/2020 10:00:00	26.5	121.0
03/10/2020 10:10:00	26.5	121.0
03/10/2020 10:20:00	26.5	121.0
03/10/2020 10:30:00	26.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
03/10/2020 10:40:00	26.5	121.0
03/10/2020 10:50:00	26.5	121.0
03/10/2020 11:00:00	26.1	121.0
03/10/2020 11:10:00	23.6	121.0
03/10/2020 11:20:00	21.6	121.0
03/10/2020 11:30:00	20.1	121.0
03/10/2020 11:40:00	19.0	121.0
03/10/2020 11:50:00	18.3	121.0
03/10/2020 12:00:00	17.8	121.0
03/10/2020 12:10:00	17.4	121.0
03/10/2020 12:20:00	17.1	121.0
03/10/2020 12:30:00	16.8	121.0
03/10/2020 12:40:00	16.7	121.0
03/10/2020 12:50:00	16.5	121.0
03/10/2020 13:00:00	16.4	121.0
03/10/2020 13:10:00	16.3	121.0
03/10/2020 13:20:00	16.2	121.0
03/10/2020 13:30:00	16.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
03/10/2020 13:40:00	16.1	121.0
03/10/2020 13:50:00	16.2	121.0
03/10/2020 14:00:00	16.3	121.0
03/10/2020 14:10:00	16.4	121.0
03/10/2020 14:20:00	16.2	121.0
03/10/2020 14:30:00	16.2	121.0
03/10/2020 14:40:00	16.4	121.0
03/10/2020 14:50:00	16.5	121.0
03/10/2020 15:00:00	16.5	121.0
03/10/2020 15:10:00	16.4	121.0
03/10/2020 15:20:00	16.4	121.0
03/10/2020 15:30:00	16.4	121.0
03/10/2020 15:40:00	16.5	121.0
03/10/2020 15:50:00	16.9	121.0
03/10/2020 16:00:00	17.9	121.0
03/10/2020 16:10:00	18.8	121.0
03/10/2020 16:20:00	19.5	121.0
03/10/2020 16:30:00	20.1	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
03/10/2020 16:40:00	20.7	121.0
03/10/2020 16:50:00	21.2	121.0
03/10/2020 17:00:00	21.6	121.0
03/10/2020 17:10:00	22.0	121.0
03/10/2020 17:20:00	22.4	121.0
03/10/2020 17:30:00	22.7	121.0
03/10/2020 17:40:00	22.9	121.0
03/10/2020 17:50:00	23.2	121.0
03/10/2020 18:00:00	23.4	121.0
03/10/2020 18:10:00	23.5	121.0
03/10/2020 18:20:00	23.7	121.0
03/10/2020 18:30:00	23.9	121.0
03/10/2020 18:40:00	24.1	121.0
03/10/2020 18:50:00	24.3	121.0
03/10/2020 19:00:00	24.4	121.0
03/10/2020 19:10:00	24.6	121.0
03/10/2020 19:20:00	24.7	121.0
03/10/2020 19:30:00	24.8	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>MECHANICAL SEAL STERLIZATION (MSS)</b>		
<b>DATE &amp; TIME</b>	<b>Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV</b>	<b>TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV</b>
03/10/2020 19:40:00	24.9	121.0
03/10/2020 19:50:00	25.0	121.0
03/10/2020 20:00:00	25.1	121.0
03/10/2020 20:10:00	25.1	121.0
03/10/2020 20:20:00	25.2	121.0
03/10/2020 20:30:00	25.2	121.0
03/10/2020 20:40:00	25.3	121.0
03/10/2020 20:50:00	25.3	121.0
03/10/2020 21:00:00	25.3	121.0
03/10/2020 21:10:00	25.4	121.0
03/10/2020 21:20:00	25.4	121.0
03/10/2020 21:30:00	25.4	121.0
03/10/2020 21:40:00	25.5	121.0
03/10/2020 21:50:00	25.5	121.0
03/10/2020 22:00:00	25.5	121.0
03/10/2020 22:10:00	25.5	121.0
03/10/2020 22:20:00	25.6	121.0
03/10/2020 22:30:00	25.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MECHANICAL SEAL STERLIZATION (MSS)**

DATE & TIME	Temp- Thermosyphon Line Drain TICR-0204/AI1/PV.CV	TICR-0204 SP (MSS-ST01) 200-RPT/TICR-204_SP_MSS.CV
03/10/2020 22:40:00	25.6	121.0
03/10/2020 22:50:00	25.6	121.0
03/10/2020 23:00:00	25.6	121.0
03/10/2020 23:10:00	25.7	121.0
03/10/2020 23:20:00	25.7	121.0
03/10/2020 23:30:00	25.7	121.0
03/10/2020 23:40:00	25.7	121.0
03/10/2020 23:50:00	25.7	121.0

DEMO APP

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**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
01/10/2020 00:00:00	27.7	-0.14	1.00	0.20
01/10/2020 00:10:00	27.6	-0.14	1.00	0.20
01/10/2020 00:20:00	27.5	-0.14	1.00	0.20
01/10/2020 00:30:00	27.3	-0.13	1.00	0.20
01/10/2020 00:40:00	27.2	-0.13	1.00	0.20
01/10/2020 00:50:00	27.1	-0.13	1.00	0.20
01/10/2020 01:00:00	27.0	-0.13	1.00	0.20
01/10/2020 01:10:00	26.9	-0.13	1.00	0.20
01/10/2020 01:20:00	26.8	-0.13	1.00	0.20
01/10/2020 01:30:00	26.7	-0.13	1.00	0.20
01/10/2020 01:40:00	26.6	-0.13	1.00	0.20
01/10/2020 01:50:00	26.5	-0.13	1.00	0.20
01/10/2020 02:00:00	26.4	-0.13	1.00	0.20
01/10/2020 02:10:00	26.3	-0.13	1.00	0.20
01/10/2020 02:20:00	26.2	-0.13	1.00	0.20
01/10/2020 02:30:00	26.1	-0.13	1.00	0.20
01/10/2020 02:40:00	26.0	-0.13	1.00	0.20
01/10/2020 02:50:00	25.9	-0.13	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
01/10/2020 03:00:00	25.8	-0.13	1.00	0.20
01/10/2020 03:10:00	25.7	-0.13	1.00	0.20
01/10/2020 03:20:00	25.6	-0.13	1.00	0.20
01/10/2020 03:30:00	25.5	-0.13	1.00	0.20
01/10/2020 03:40:00	25.4	-0.13	1.00	0.20
01/10/2020 03:50:00	25.3	-0.13	1.00	0.20
01/10/2020 04:00:00	25.2	-0.13	1.00	0.20
01/10/2020 04:10:00	25.2	-0.13	1.00	0.20
01/10/2020 04:20:00	25.1	-0.13	1.00	0.20
01/10/2020 04:30:00	25.0	-0.13	1.00	0.20
01/10/2020 04:40:00	24.9	-0.13	1.00	0.20
01/10/2020 04:50:00	24.8	-0.13	1.00	0.20
01/10/2020 05:00:00	24.7	-0.13	1.00	0.20
01/10/2020 05:10:00	24.6	-0.13	1.00	0.20
01/10/2020 05:20:00	24.5	-0.13	1.00	0.20
01/10/2020 05:30:00	24.5	-0.13	1.00	0.20
01/10/2020 05:40:00	24.4	-0.13	1.00	0.20
01/10/2020 05:50:00	24.3	-0.13	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
01/10/2020 06:00:00	24.2	-0.13	1.00	0.20
01/10/2020 06:10:00	24.2	-0.13	1.00	0.20
01/10/2020 06:20:00	24.1	-0.13	1.00	0.20
01/10/2020 06:30:00	24.0	-0.13	1.00	0.20
01/10/2020 06:40:00	23.9	-0.13	1.00	0.20
01/10/2020 06:50:00	23.9	-0.13	1.00	0.20
01/10/2020 07:00:00	23.8	-0.13	1.00	0.20
01/10/2020 07:10:00	23.7	-0.13	1.00	0.20
01/10/2020 07:20:00	23.6	-0.13	1.00	0.20
01/10/2020 07:30:00	23.5	-0.13	1.00	0.20
01/10/2020 07:40:00	23.5	-0.13	1.00	0.20
01/10/2020 07:50:00	23.4	-0.13	1.00	0.20
01/10/2020 08:00:00	23.3	-0.13	1.00	0.20
01/10/2020 08:10:00	23.3	-0.13	1.00	0.20
01/10/2020 08:20:00	23.2	-0.13	1.00	0.20
01/10/2020 08:30:00	23.1	-0.13	1.00	0.20
01/10/2020 08:40:00	23.1	-0.13	1.00	0.20
01/10/2020 08:50:00	23.0	-0.13	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/A11/PV.CV	Vessel Pressure PICR-0201/A11/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
01/10/2020 09:00:00	22.9	-0.13	1.00	0.20
01/10/2020 09:10:00	22.9	-0.13	1.00	0.20
01/10/2020 09:20:00	22.8	-0.13	1.00	0.20
01/10/2020 09:30:00	22.7	-0.13	1.00	0.20
01/10/2020 09:40:00	22.7	-0.13	1.00	0.20
01/10/2020 09:50:00	22.6	-0.13	1.00	0.20
01/10/2020 10:00:00	22.5	-0.13	1.00	0.20
01/10/2020 10:10:00	22.5	-0.13	1.00	0.20
01/10/2020 10:20:00	22.5	-0.13	1.00	0.20
01/10/2020 10:30:00	22.5	-0.12	1.00	0.20
01/10/2020 10:40:00	22.5	-0.12	1.00	0.20
01/10/2020 10:50:00	22.5	-0.12	1.00	0.20
01/10/2020 11:00:00	26.2	-0.02	1.00	0.20
01/10/2020 11:10:00	26.2	-0.02	1.00	0.20
01/10/2020 11:20:00	47.7	0.05	1.00	0.20
01/10/2020 11:30:00	85.8	-0.01	1.00	0.20
01/10/2020 11:40:00	99.7	0.15	1.00	0.20
01/10/2020 11:50:00	101.9	0.24	1.00	0.20

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**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
01/10/2020 12:00:00	100.1	0.18	1.00	0.20
01/10/2020 12:10:00	98.6	0.13	1.00	0.20
01/10/2020 12:20:00	105.1	0.39	1.00	0.20
01/10/2020 12:30:00	105.3	0.40	1.00	0.20
01/10/2020 12:40:00	79.3	1.50	1.00	0.20
01/10/2020 12:50:00	58.1	1.50	1.00	0.20
01/10/2020 13:00:00	46.3	1.50	1.00	0.20
01/10/2020 13:10:00	43.1	1.50	1.00	0.20
01/10/2020 13:20:00	41.9	1.50	1.00	0.20
01/10/2020 13:30:00	41.3	1.50	1.00	0.20
01/10/2020 13:40:00	40.9	1.50	1.00	0.20
01/10/2020 13:50:00	40.6	1.50	1.00	0.20
01/10/2020 14:00:00	40.3	1.50	1.00	0.20
01/10/2020 14:10:00	48.3	0.10	1.00	0.20
01/10/2020 14:20:00	85.8	0.05	1.00	0.20
01/10/2020 14:30:00	100.3	0.21	1.00	0.20
01/10/2020 14:40:00	108.1	0.54	1.00	0.20
01/10/2020 14:50:00	112.0	0.74	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
01/10/2020 15:00:00	113.7	0.83	1.00	0.20
01/10/2020 15:10:00	113.7	0.83	1.00	0.20
01/10/2020 15:20:00	111.8	0.71	1.00	0.20
01/10/2020 15:30:00	108.8	0.58	1.00	0.20
01/10/2020 15:40:00	107.5	0.51	1.00	0.20
01/10/2020 15:50:00	105.6	1.76	1.00	0.20
01/10/2020 16:00:00	71.6	1.46	1.00	0.20
01/10/2020 16:10:00	65.5	1.34	1.00	0.20
01/10/2020 16:20:00	63.5	1.28	1.00	0.20
01/10/2020 16:30:00	57.2	-0.02	1.00	0.20
01/10/2020 16:40:00	50.9	-0.05	1.00	0.20
01/10/2020 16:50:00	49.3	-0.07	1.00	0.20
01/10/2020 17:00:00	48.5	-0.09	1.00	0.20
01/10/2020 17:10:00	48.0	-0.11	1.00	0.20
01/10/2020 17:20:00	47.7	-0.11	1.00	0.20
01/10/2020 17:30:00	47.4	-0.12	1.00	0.20
01/10/2020 17:40:00	47.2	-0.13	1.00	0.20
01/10/2020 17:50:00	46.9	-0.14	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>PRESSURE HOLD TEST(PHT)</b>				
<b>DATE &amp; TIME</b>	<b>Temp-Vessel TICR-0201/AI1/PV.CV</b>	<b>Vessel Pressure PICR-0201/AI1/PV.CV</b>	<b>PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV</b>	<b>ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV</b>
01/10/2020 18:00:00	46.6	-0.14	1.00	0.20
01/10/2020 18:10:00	46.4	-0.15	1.00	0.20
01/10/2020 18:20:00	46.2	-0.15	1.00	0.20
01/10/2020 18:30:00	45.9	-0.15	1.00	0.20
01/10/2020 18:40:00	45.7	-0.15	1.00	0.20
01/10/2020 18:50:00	45.5	-0.16	1.00	0.20
01/10/2020 19:00:00	45.3	-0.16	1.00	0.20
01/10/2020 19:10:00	45.0	-0.16	1.00	0.20
01/10/2020 19:20:00	44.8	-0.16	1.00	0.20
01/10/2020 19:30:00	44.6	-0.16	1.00	0.20
01/10/2020 19:40:00	44.4	-0.17	1.00	0.20
01/10/2020 19:50:00	44.2	-0.17	1.00	0.20
01/10/2020 20:00:00	44.0	-0.17	1.00	0.20
01/10/2020 20:10:00	43.8	-0.17	1.00	0.20
01/10/2020 20:20:00	43.6	-0.17	1.00	0.20
01/10/2020 20:30:00	43.4	-0.17	1.00	0.20
01/10/2020 20:40:00	43.2	-0.17	1.00	0.20
01/10/2020 20:50:00	43.1	-0.17	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:18		Page 32 of 905



**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
01/10/2020 21:00:00	42.9	-0.17	1.00	0.20
01/10/2020 21:10:00	42.7	-0.17	1.00	0.20
01/10/2020 21:20:00	42.5	-0.17	1.00	0.20
01/10/2020 21:30:00	42.4	-0.17	1.00	0.20
01/10/2020 21:40:00	42.2	-0.17	1.00	0.20
01/10/2020 21:50:00	42.1	-0.17	1.00	0.20
01/10/2020 22:00:00	41.9	-0.17	1.00	0.20
01/10/2020 22:10:00	41.8	-0.17	1.00	0.20
01/10/2020 22:20:00	41.6	-0.17	1.00	0.20
01/10/2020 22:30:00	41.5	-0.17	1.00	0.20
01/10/2020 22:40:00	41.4	-0.17	1.00	0.20
01/10/2020 22:50:00	41.2	-0.17	1.00	0.20
01/10/2020 23:00:00	41.1	-0.17	1.00	0.20
01/10/2020 23:10:00	41.0	-0.17	1.00	0.20
01/10/2020 23:20:00	40.8	-0.17	1.00	0.20
01/10/2020 23:30:00	40.7	-0.17	1.00	0.20
01/10/2020 23:40:00	40.6	-0.17	1.00	0.20
01/10/2020 23:50:00	40.4	-0.16	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/A11/PV.CV	Vessel Pressure PICR-0201/A11/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
02/10/2020 00:00:00	40.3	-0.16	1.00	0.20
02/10/2020 00:10:00	40.2	-0.16	1.00	0.20
02/10/2020 00:20:00	40.1	-0.16	1.00	0.20
02/10/2020 00:30:00	40.0	-0.16	1.00	0.20
02/10/2020 00:40:00	39.9	-0.16	1.00	0.20
02/10/2020 00:50:00	39.8	-0.16	1.00	0.20
02/10/2020 01:00:00	39.7	-0.16	1.00	0.20
02/10/2020 01:10:00	39.5	-0.16	1.00	0.20
02/10/2020 01:20:00	39.4	-0.16	1.00	0.20
02/10/2020 01:30:00	39.3	-0.16	1.00	0.20
02/10/2020 01:40:00	39.2	-0.16	1.00	0.20
02/10/2020 01:50:00	39.1	-0.16	1.00	0.20
02/10/2020 02:00:00	39.0	-0.16	1.00	0.20
02/10/2020 02:10:00	38.9	-0.16	1.00	0.20
02/10/2020 02:20:00	38.8	-0.16	1.00	0.20
02/10/2020 02:30:00	38.7	-0.16	1.00	0.20
02/10/2020 02:40:00	38.6	-0.15	1.00	0.20
02/10/2020 02:50:00	38.6	-0.15	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:18		Page 34 of 905

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/A11/PV.CV	Vessel Pressure PICR-0201/A11/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
02/10/2020 03:00:00	38.5	-0.15	1.00	0.20
02/10/2020 03:10:00	38.4	-0.15	1.00	0.20
02/10/2020 03:20:00	38.3	-0.15	1.00	0.20
02/10/2020 03:30:00	38.2	-0.15	1.00	0.20
02/10/2020 03:40:00	38.1	-0.15	1.00	0.20
02/10/2020 03:50:00	38.0	-0.15	1.00	0.20
02/10/2020 04:00:00	37.9	-0.15	1.00	0.20
02/10/2020 04:10:00	37.8	-0.15	1.00	0.20
02/10/2020 04:20:00	37.7	-0.15	1.00	0.20
02/10/2020 04:30:00	37.7	-0.15	1.00	0.20
02/10/2020 04:40:00	37.6	-0.15	1.00	0.20
02/10/2020 04:50:00	37.5	-0.15	1.00	0.20
02/10/2020 05:00:00	37.4	-0.15	1.00	0.20
02/10/2020 05:10:00	37.4	-0.15	1.00	0.20
02/10/2020 05:20:00	37.3	-0.15	1.00	0.20
02/10/2020 05:30:00	37.2	-0.15	1.00	0.20
02/10/2020 05:40:00	37.1	-0.15	1.00	0.20
02/10/2020 05:50:00	37.0	-0.15	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
02/10/2020 06:00:00	37.0	-0.15	1.00	0.20
02/10/2020 06:10:00	36.9	-0.15	1.00	0.20
02/10/2020 06:20:00	36.8	-0.15	1.00	0.20
02/10/2020 06:30:00	36.8	-0.15	1.00	0.20
02/10/2020 06:40:00	36.7	-0.15	1.00	0.20
02/10/2020 06:50:00	36.6	-0.15	1.00	0.20
02/10/2020 07:00:00	36.5	-0.14	1.00	0.20
02/10/2020 07:10:00	36.5	-0.14	1.00	0.20
02/10/2020 07:20:00	36.4	-0.14	1.00	0.20
02/10/2020 07:30:00	36.3	-0.14	1.00	0.20
02/10/2020 07:40:00	36.3	-0.14	1.00	0.20
02/10/2020 07:50:00	36.2	-0.14	1.00	0.20
02/10/2020 08:00:00	36.1	-0.14	1.00	0.20
02/10/2020 08:10:00	36.0	-0.14	1.00	0.20
02/10/2020 08:20:00	36.0	-0.14	1.00	0.20
02/10/2020 08:30:00	35.9	-0.14	1.00	0.20
02/10/2020 08:40:00	35.8	-0.14	1.00	0.20
02/10/2020 08:50:00	35.8	-0.14	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
02/10/2020 09:00:00	35.7	-0.14	1.00	0.20
02/10/2020 09:10:00	35.6	-0.14	1.00	0.20
02/10/2020 09:20:00	35.6	-0.14	1.00	0.20
02/10/2020 09:30:00	35.5	-0.14	1.00	0.20
02/10/2020 09:40:00	35.5	-0.14	1.00	0.20
02/10/2020 09:50:00	35.4	-0.14	1.00	0.20
02/10/2020 10:00:00	35.3	-0.14	1.00	0.20
02/10/2020 10:10:00	35.3	-0.14	1.00	0.20
02/10/2020 10:20:00	35.2	-0.14	1.00	0.20
02/10/2020 10:30:00	35.1	-0.14	1.00	0.20
02/10/2020 10:40:00	35.1	-0.14	1.00	0.20
02/10/2020 10:50:00	35.0	-0.14	1.00	0.20
02/10/2020 11:00:00	35.0	-0.14	1.00	0.20
02/10/2020 11:10:00	34.9	-0.14	1.00	0.20
02/10/2020 11:20:00	34.8	-0.14	1.00	0.20
02/10/2020 11:30:00	34.8	-0.14	1.00	0.20
02/10/2020 11:40:00	34.7	-0.14	1.00	0.20
02/10/2020 11:50:00	34.7	-0.14	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
02/10/2020 12:00:00	34.6	-0.14	1.00	0.20
02/10/2020 12:10:00	34.6	-0.13	1.00	0.20
02/10/2020 12:20:00	34.5	-0.13	1.00	0.20
02/10/2020 12:30:00	34.5	-0.13	1.00	0.20
02/10/2020 12:40:00	34.4	-0.13	1.00	0.20
02/10/2020 12:50:00	34.3	-0.13	1.00	0.20
02/10/2020 13:00:00	34.3	-0.13	1.00	0.20
02/10/2020 13:10:00	34.2	-0.13	1.00	0.20
02/10/2020 13:20:00	34.2	-0.13	1.00	0.20
02/10/2020 13:30:00	34.1	-0.13	1.00	0.20
02/10/2020 13:40:00	34.1	-0.13	1.00	0.20
02/10/2020 13:50:00	34.1	-0.13	1.00	0.20
02/10/2020 14:00:00	34.0	-0.13	1.00	0.20
02/10/2020 14:10:00	34.0	-0.13	1.00	0.20
02/10/2020 14:20:00	33.9	-0.13	1.00	0.20
02/10/2020 14:30:00	33.8	-0.13	1.00	0.20
02/10/2020 14:40:00	33.8	-0.13	1.00	0.20
02/10/2020 14:50:00	33.8	-0.13	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/A11/PV.CV	Vessel Pressure PICR-0201/A11/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
02/10/2020 15:00:00	33.7	-0.13	1.00	0.20
02/10/2020 15:10:00	33.7	-0.13	1.00	0.20
02/10/2020 15:20:00	33.6	-0.13	1.00	0.20
02/10/2020 15:30:00	33.6	-0.13	1.00	0.20
02/10/2020 15:40:00	33.5	-0.13	1.00	0.20
02/10/2020 15:50:00	33.5	-0.13	1.00	0.20
02/10/2020 16:00:00	33.5	-0.13	1.00	0.20
02/10/2020 16:10:00	33.4	-0.13	1.00	0.20
02/10/2020 16:20:00	33.4	-0.12	1.00	0.20
02/10/2020 16:30:00	33.3	-0.12	1.00	0.20
02/10/2020 16:40:00	33.3	-0.12	1.00	0.20
02/10/2020 16:50:00	33.2	-0.12	1.00	0.20
02/10/2020 17:00:00	33.2	-0.12	1.00	0.20
02/10/2020 17:10:00	33.2	-0.12	1.00	0.20
02/10/2020 17:20:00	33.1	-0.12	1.00	0.20
02/10/2020 17:30:00	33.1	-0.12	1.00	0.20
02/10/2020 17:40:00	33.0	-0.12	1.00	0.20
02/10/2020 17:50:00	33.0	-0.12	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
02/10/2020 18:00:00	33.0	-0.12	1.00	0.20
02/10/2020 18:10:00	32.9	-0.12	1.00	0.20
02/10/2020 18:20:00	32.9	-0.12	1.00	0.20
02/10/2020 18:30:00	32.9	-0.12	1.00	0.20
02/10/2020 18:40:00	32.8	-0.12	1.00	0.20
02/10/2020 18:50:00	32.8	-0.12	1.00	0.20
02/10/2020 19:00:00	32.7	-0.12	1.00	0.20
02/10/2020 19:10:00	32.7	-0.12	1.00	0.20
02/10/2020 19:20:00	32.7	-0.12	1.00	0.20
02/10/2020 19:30:00	32.6	-0.12	1.00	0.20
02/10/2020 19:40:00	32.6	-0.12	1.00	0.20
02/10/2020 19:50:00	32.5	-0.12	1.00	0.20
02/10/2020 20:00:00	32.5	-0.12	1.00	0.20
02/10/2020 20:10:00	32.5	-0.12	1.00	0.20
02/10/2020 20:20:00	32.4	-0.12	1.00	0.20
02/10/2020 20:30:00	32.4	-0.12	1.00	0.20
02/10/2020 20:40:00	32.4	-0.12	1.00	0.20
02/10/2020 20:50:00	32.4	-0.12	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
02/10/2020 21:00:00	32.3	-0.12	1.00	0.20
02/10/2020 21:10:00	32.3	-0.12	1.00	0.20
02/10/2020 21:20:00	32.3	-0.12	1.00	0.20
02/10/2020 21:30:00	32.2	-0.12	1.00	0.20
02/10/2020 21:40:00	32.2	-0.12	1.00	0.20
02/10/2020 21:50:00	32.2	-0.12	1.00	0.20
02/10/2020 22:00:00	32.1	-0.12	1.00	0.20
02/10/2020 22:10:00	32.1	-0.12	1.00	0.20
02/10/2020 22:20:00	32.1	-0.12	1.00	0.20
02/10/2020 22:30:00	32.0	-0.12	1.00	0.20
02/10/2020 22:40:00	32.0	-0.12	1.00	0.20
02/10/2020 22:50:00	32.0	-0.12	1.00	0.20
02/10/2020 23:00:00	32.0	-0.12	1.00	0.20
02/10/2020 23:10:00	31.9	-0.12	1.00	0.20
02/10/2020 23:20:00	31.9	-0.12	1.00	0.20
02/10/2020 23:30:00	31.9	-0.12	1.00	0.20
02/10/2020 23:40:00	31.8	-0.12	1.00	0.20
02/10/2020 23:50:00	31.8	-0.11	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
03/10/2020 00:00:00	31.8	-0.11	1.00	0.20
03/10/2020 00:10:00	31.7	-0.11	1.00	0.20
03/10/2020 00:20:00	31.7	-0.11	1.00	0.20
03/10/2020 00:30:00	31.7	-0.11	1.00	0.20
03/10/2020 00:40:00	31.7	-0.11	1.00	0.20
03/10/2020 00:50:00	31.6	-0.11	1.00	0.20
03/10/2020 01:00:00	31.6	-0.11	1.00	0.20
03/10/2020 01:10:00	31.6	-0.11	1.00	0.20
03/10/2020 01:20:00	31.5	-0.11	1.00	0.20
03/10/2020 01:30:00	31.5	-0.11	1.00	0.20
03/10/2020 01:40:00	31.5	-0.11	1.00	0.20
03/10/2020 01:50:00	31.5	-0.11	1.00	0.20
03/10/2020 02:00:00	31.4	-0.11	1.00	0.20
03/10/2020 02:10:00	31.4	-0.11	1.00	0.20
03/10/2020 02:20:00	31.4	-0.11	1.00	0.20
03/10/2020 02:30:00	31.4	-0.11	1.00	0.20
03/10/2020 02:40:00	31.3	-0.11	1.00	0.20
03/10/2020 02:50:00	31.3	-0.11	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
03/10/2020 03:00:00	31.3	-0.11	1.00	0.20
03/10/2020 03:10:00	31.3	-0.11	1.00	0.20
03/10/2020 03:20:00	31.3	-0.11	1.00	0.20
03/10/2020 03:30:00	31.2	-0.11	1.00	0.20
03/10/2020 03:40:00	31.2	-0.11	1.00	0.20
03/10/2020 03:50:00	31.2	-0.11	1.00	0.20
03/10/2020 04:00:00	31.1	-0.11	1.00	0.20
03/10/2020 04:10:00	31.1	-0.11	1.00	0.20
03/10/2020 04:20:00	31.1	-0.11	1.00	0.20
03/10/2020 04:30:00	31.1	-0.11	1.00	0.20
03/10/2020 04:40:00	31.1	-0.11	1.00	0.20
03/10/2020 04:50:00	31.0	-0.11	1.00	0.20
03/10/2020 05:00:00	31.0	-0.11	1.00	0.20
03/10/2020 05:10:00	31.0	-0.11	1.00	0.20
03/10/2020 05:20:00	31.0	-0.11	1.00	0.20
03/10/2020 05:30:00	30.9	-0.11	1.00	0.20
03/10/2020 05:40:00	30.9	-0.11	1.00	0.20
03/10/2020 05:50:00	30.9	-0.11	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:18		Page 43 of 905

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
03/10/2020 06:00:00	30.9	-0.11	1.00	0.20
03/10/2020 06:10:00	30.8	-0.11	1.00	0.20
03/10/2020 06:20:00	30.8	-0.11	1.00	0.20
03/10/2020 06:30:00	30.8	-0.11	1.00	0.20
03/10/2020 06:40:00	30.8	-0.11	1.00	0.20
03/10/2020 06:50:00	30.7	-0.11	1.00	0.20
03/10/2020 07:00:00	30.7	-0.11	1.00	0.20
03/10/2020 07:10:00	30.7	-0.11	1.00	0.20
03/10/2020 07:20:00	30.7	-0.11	1.00	0.20
03/10/2020 07:30:00	30.6	-0.11	1.00	0.20
03/10/2020 07:40:00	30.6	-0.11	1.00	0.20
03/10/2020 07:50:00	30.6	-0.11	1.00	0.20
03/10/2020 08:00:00	30.6	-0.10	1.00	0.20
03/10/2020 08:10:00	30.6	-0.10	1.00	0.20
03/10/2020 08:20:00	30.5	-0.10	1.00	0.20
03/10/2020 08:30:00	30.5	-0.10	1.00	0.20
03/10/2020 08:40:00	30.5	-0.10	1.00	0.20
03/10/2020 08:50:00	30.5	-0.10	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
03/10/2020 09:00:00	30.5	-0.10	1.00	0.20
03/10/2020 09:10:00	30.5	-0.10	1.00	0.20
03/10/2020 09:20:00	30.4	-0.10	1.00	0.20
03/10/2020 09:30:00	30.4	-0.10	1.00	0.20
03/10/2020 09:40:00	30.4	-0.10	1.00	0.20
03/10/2020 09:50:00	30.4	-0.10	1.00	0.20
03/10/2020 10:00:00	30.4	-0.10	1.00	0.20
03/10/2020 10:10:00	30.3	-0.10	1.00	0.20
03/10/2020 10:20:00	30.3	-0.10	1.00	0.20
03/10/2020 10:30:00	30.3	-0.10	1.00	0.20
03/10/2020 10:40:00	30.3	-0.10	1.00	0.20
03/10/2020 10:50:00	30.3	-0.10	1.00	0.20
03/10/2020 11:00:00	30.2	-0.10	1.00	0.20
03/10/2020 11:10:00	30.0	-0.11	1.00	0.20
03/10/2020 11:20:00	29.9	-0.11	1.00	0.20
03/10/2020 11:30:00	29.8	-0.12	1.00	0.20
03/10/2020 11:40:00	29.7	-0.12	1.00	0.20
03/10/2020 11:50:00	29.5	-0.12	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:18		Page 45 of 905

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/A11/PV.CV	Vessel Pressure PICR-0201/A11/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
03/10/2020 12:00:00	29.4	-0.12	1.00	0.20
03/10/2020 12:10:00	29.3	-0.13	1.00	0.20
03/10/2020 12:20:00	29.2	-0.13	1.00	0.20
03/10/2020 12:30:00	29.0	-0.13	1.00	0.20
03/10/2020 12:40:00	28.9	-0.13	1.00	0.20
03/10/2020 12:50:00	28.8	-0.13	1.00	0.20
03/10/2020 13:00:00	28.6	-0.13	1.00	0.20
03/10/2020 13:10:00	28.5	-0.13	1.00	0.20
03/10/2020 13:20:00	28.4	-0.14	1.00	0.20
03/10/2020 13:30:00	28.3	-0.14	1.00	0.20
03/10/2020 13:40:00	28.1	-0.14	1.00	0.20
03/10/2020 13:50:00	28.0	-0.14	1.00	0.20
03/10/2020 14:00:00	27.9	-0.14	1.00	0.20
03/10/2020 14:10:00	27.8	-0.14	1.00	0.20
03/10/2020 14:20:00	27.7	-0.14	1.00	0.20
03/10/2020 14:30:00	27.6	-0.14	1.00	0.20
03/10/2020 14:40:00	27.5	-0.14	1.00	0.20
03/10/2020 14:50:00	27.4	-0.14	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
03/10/2020 15:00:00	27.2	-0.14	1.00	0.20
03/10/2020 15:10:00	27.1	-0.14	1.00	0.20
03/10/2020 15:20:00	27.0	-0.14	1.00	0.20
03/10/2020 15:30:00	26.9	-0.14	1.00	0.20
03/10/2020 15:40:00	26.8	-0.14	1.00	0.20
03/10/2020 15:50:00	26.8	-0.13	1.00	0.20
03/10/2020 16:00:00	26.8	-0.13	1.00	0.20
03/10/2020 16:10:00	26.8	-0.13	1.00	0.20
03/10/2020 16:20:00	26.8	-0.13	1.00	0.20
03/10/2020 16:30:00	26.7	-0.13	1.00	0.20
03/10/2020 16:40:00	26.7	-0.12	1.00	0.20
03/10/2020 16:50:00	26.7	-0.12	1.00	0.20
03/10/2020 17:00:00	26.7	-0.12	1.00	0.20
03/10/2020 17:10:00	26.7	-0.12	1.00	0.20
03/10/2020 17:20:00	26.7	-0.12	1.00	0.20
03/10/2020 17:30:00	26.6	-0.12	1.00	0.20
03/10/2020 17:40:00	26.6	-0.12	1.00	0.20
03/10/2020 17:50:00	26.6	-0.11	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/A11/PV.CV	Vessel Pressure PICR-0201/A11/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
03/10/2020 18:00:00	26.6	-0.11	1.00	0.20
03/10/2020 18:10:00	26.6	-0.11	1.00	0.20
03/10/2020 18:20:00	26.6	-0.11	1.00	0.20
03/10/2020 18:30:00	26.6	-0.11	1.00	0.20
03/10/2020 18:40:00	26.5	-0.11	1.00	0.20
03/10/2020 18:50:00	26.5	-0.11	1.00	0.20
03/10/2020 19:00:00	26.5	-0.11	1.00	0.20
03/10/2020 19:10:00	26.5	-0.11	1.00	0.20
03/10/2020 19:20:00	26.5	-0.11	1.00	0.20
03/10/2020 19:30:00	26.5	-0.11	1.00	0.20
03/10/2020 19:40:00	26.5	-0.11	1.00	0.20
03/10/2020 19:50:00	26.5	-0.11	1.00	0.20
03/10/2020 20:00:00	26.5	-0.11	1.00	0.20
03/10/2020 20:10:00	26.5	-0.10	1.00	0.20
03/10/2020 20:20:00	26.5	-0.10	1.00	0.20
03/10/2020 20:30:00	26.5	-0.10	1.00	0.20
03/10/2020 20:40:00	26.5	-0.10	1.00	0.20
03/10/2020 20:50:00	26.5	-0.10	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**PRESSURE HOLD TEST(PHT)**

DATE & TIME	Temp-Vessel TICR-0201/AI1/PV.CV	Vessel Pressure PICR-0201/AI1/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-201_SP_PT.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-201_SP_D_PT.CV
03/10/2020 21:00:00	26.5	-0.10	1.00	0.20
03/10/2020 21:10:00	26.4	-0.10	1.00	0.20
03/10/2020 21:20:00	26.4	-0.10	1.00	0.20
03/10/2020 21:30:00	26.4	-0.10	1.00	0.20
03/10/2020 21:40:00	26.4	-0.10	1.00	0.20
03/10/2020 21:50:00	26.4	-0.10	1.00	0.20
03/10/2020 22:00:00	26.4	-0.10	1.00	0.20
03/10/2020 22:10:00	26.4	-0.10	1.00	0.20
03/10/2020 22:20:00	26.4	-0.10	1.00	0.20
03/10/2020 22:30:00	26.4	-0.10	1.00	0.20
03/10/2020 22:40:00	26.4	-0.10	1.00	0.20
03/10/2020 22:50:00	26.4	-0.10	1.00	0.20
03/10/2020 23:00:00	26.4	-0.10	1.00	0.20
03/10/2020 23:10:00	26.4	-0.10	1.00	0.20
03/10/2020 23:20:00	26.4	-0.10	1.00	0.20
03/10/2020 23:30:00	26.4	-0.10	1.00	0.20
03/10/2020 23:40:00	26.4	-0.10	1.00	0.20
03/10/2020 23:50:00	26.4	-0.10	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
01/10/2020 00:00:00	27.7	0	100	162	70
01/10/2020 00:10:00	27.6	0	100	162	70
01/10/2020 00:20:00	27.5	0	100	162	70
01/10/2020 00:30:00	27.3	0	100	162	70
01/10/2020 00:40:00	27.2	0	100	162	70
01/10/2020 00:50:00	27.1	0	100	162	70
01/10/2020 01:00:00	27.0	0	100	162	70
01/10/2020 01:10:00	26.9	0	100	162	70
01/10/2020 01:20:00	26.8	0	100	162	70
01/10/2020 01:30:00	26.7	0	100	162	70
01/10/2020 01:40:00	26.6	0	100	162	70
01/10/2020 01:50:00	26.5	0	100	162	70
01/10/2020 02:00:00	26.4	0	100	162	70
01/10/2020 02:10:00	26.3	0	100	162	70
01/10/2020 02:20:00	26.2	0	100	162	70
01/10/2020 02:30:00	26.1	0	100	162	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
01/10/2020 00:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 00:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 00:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 00:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 00:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 00:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 01:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 01:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 01:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 01:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 01:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 01:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 02:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 02:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 02:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 02:30:00	-1.2	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
01/10/2020 02:40:00	26.0	0	100	162	70
01/10/2020 02:50:00	25.9	0	100	162	70
01/10/2020 03:00:00	25.8	0	100	162	70
01/10/2020 03:10:00	25.7	0	100	162	70
01/10/2020 03:20:00	25.6	0	100	162	70
01/10/2020 03:30:00	25.5	0	100	162	70
01/10/2020 03:40:00	25.4	0	100	162	70
01/10/2020 03:50:00	25.3	0	100	162	70
01/10/2020 04:00:00	25.2	0	100	162	70
01/10/2020 04:10:00	25.2	0	100	162	70
01/10/2020 04:20:00	25.1	0	100	162	70
01/10/2020 04:30:00	25.0	0	100	162	70
01/10/2020 04:40:00	24.9	0	100	162	70
01/10/2020 04:50:00	24.8	0	100	162	70
01/10/2020 05:00:00	24.7	0	100	162	70
01/10/2020 05:10:00	24.6	0	100	162	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
01/10/2020 02:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 02:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 03:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 03:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 03:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 03:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 03:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 03:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 04:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 04:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 04:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 04:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 04:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 04:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 05:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 05:10:00	-1.2	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
01/10/2020 05:20:00	24.5	0	100	162	70
01/10/2020 05:30:00	24.5	0	100	162	70
01/10/2020 05:40:00	24.4	0	100	162	70
01/10/2020 05:50:00	24.3	0	100	162	70
01/10/2020 06:00:00	24.2	0	100	162	70
01/10/2020 06:10:00	24.2	0	100	162	70
01/10/2020 06:20:00	24.1	0	100	162	70
01/10/2020 06:30:00	24.0	0	100	162	70
01/10/2020 06:40:00	23.9	0	100	162	70
01/10/2020 06:50:00	23.9	0	100	162	70
01/10/2020 07:00:00	23.8	0	100	162	70
01/10/2020 07:10:00	23.7	0	100	162	70
01/10/2020 07:20:00	23.6	0	100	162	70
01/10/2020 07:30:00	23.5	0	100	162	70
01/10/2020 07:40:00	23.5	0	100	162	70
01/10/2020 07:50:00	23.4	0	100	162	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
01/10/2020 05:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 05:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 05:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 05:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 06:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 06:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 06:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 06:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 06:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 06:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 07:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 07:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 07:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 07:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 07:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 07:50:00	-1.2	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
01/10/2020 08:00:00	23.3	0	100	162	70
01/10/2020 08:10:00	23.3	0	100	162	70
01/10/2020 08:20:00	23.2	0	100	162	70
01/10/2020 08:30:00	23.1	0	100	162	70
01/10/2020 08:40:00	23.1	0	100	162	70
01/10/2020 08:50:00	23.0	0	100	162	70
01/10/2020 09:00:00	22.9	0	100	162	70
01/10/2020 09:10:00	22.9	0	100	162	70
01/10/2020 09:20:00	22.8	0	100	162	70
01/10/2020 09:30:00	22.7	0	100	162	70
01/10/2020 09:40:00	22.7	0	100	162	70
01/10/2020 09:50:00	22.6	0	100	162	70
01/10/2020 10:00:00	22.5	0	100	162	70
01/10/2020 10:10:00	22.5	0	100	162	70
01/10/2020 10:20:00	22.5	0	100	162	70
01/10/2020 10:30:00	22.5	0	100	162	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
01/10/2020 08:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 08:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 08:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 08:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 08:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 08:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 09:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 09:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 09:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 09:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 09:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 09:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 10:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 10:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 10:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 10:30:00	-1.2	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
01/10/2020 10:40:00	22.5	0	100	162	70
01/10/2020 10:50:00	22.5	0	100	162	70
01/10/2020 11:00:00	26.2	100	100	155	70
01/10/2020 11:10:00	26.2	100	100	154	70
01/10/2020 11:20:00	47.7	100	100	128	70
01/10/2020 11:30:00	85.8	100	100	129	70
01/10/2020 11:40:00	99.7	100	100	129	70
01/10/2020 11:50:00	101.9	0	100	129	70
01/10/2020 12:00:00	100.1	0	100	129	70
01/10/2020 12:10:00	98.6	0	100	129	70
01/10/2020 12:20:00	105.1	0	100	127	70
01/10/2020 12:30:00	105.3	0	100	127	70
01/10/2020 12:40:00	79.3	0	100	154	70
01/10/2020 12:50:00	58.1	0	100	153	70
01/10/2020 13:00:00	46.3	0	100	153	70
01/10/2020 13:10:00	43.1	0	100	153	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



# SYNEGENE INTERNATIONAL LIMITED

S2, BMP4, Biocon Park, Bangalore

## CLEAN IN PLACE (CIP)

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01)	PUMP CP-0201	CP-0201 SETPOINT FOR SPRAY	CP-0201 SP FOR REST OF
		200-RPT/QICR-205_SP_CIP.CV	SICR-0202/AO1/PV.CV	BALL 200-RPT/SICR-202_SP_CIP.CV	LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
01/10/2020 10:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 10:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 11:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 11:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 11:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 11:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 11:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 11:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 12:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 12:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 12:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 12:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 12:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 12:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 13:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 13:10:00	-1.2	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
01/10/2020 13:20:00	41.9	0	100	153	70
01/10/2020 13:30:00	41.3	0	100	153	70
01/10/2020 13:40:00	40.9	0	100	153	70
01/10/2020 13:50:00	40.6	0	100	153	70
01/10/2020 14:00:00	40.3	0	100	153	70
01/10/2020 14:10:00	48.3	100	100	125	70
01/10/2020 14:20:00	85.8	100	100	126	70
01/10/2020 14:30:00	100.3	100	100	126	70
01/10/2020 14:40:00	108.1	100	100	126	70
01/10/2020 14:50:00	112.0	100	100	126	70
01/10/2020 15:00:00	113.7	100	100	125	70
01/10/2020 15:10:00	113.7	0	100	124	70
01/10/2020 15:20:00	111.8	0	100	125	70
01/10/2020 15:30:00	108.8	100	100	123	70
01/10/2020 15:40:00	107.5	0	100	123	70
01/10/2020 15:50:00	105.6	100	100	132	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



# SYNEGENE INTERNATIONAL LIMITED

S2, BMP4, Biocon Park, Bangalore

## CLEAN IN PLACE (CIP)

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01)	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ.
		200-RPT/QICR-205_SP_CIP.CV		200-RPT/SICR-202_SP_CIP.CV	200-RPT/SICR-202_SP_OTL.CV
01/10/2020 13:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 13:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 13:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 13:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 14:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 14:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 14:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 14:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 14:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 14:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 15:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 15:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 15:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 15:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 15:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 15:50:00	-1.2	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
01/10/2020 16:00:00	71.6	0	100	149	70
01/10/2020 16:10:00	65.5	0	100	150	70
01/10/2020 16:20:00	63.5	0	100	150	70
01/10/2020 16:30:00	57.2	0	100	143	70
01/10/2020 16:40:00	50.9	0	100	139	70
01/10/2020 16:50:00	49.3	0	100	140	70
01/10/2020 17:00:00	48.5	0	100	141	70
01/10/2020 17:10:00	48.0	0	100	142	70
01/10/2020 17:20:00	47.7	0	100	142	70
01/10/2020 17:30:00	47.4	0	100	142	70
01/10/2020 17:40:00	47.2	0	100	143	70
01/10/2020 17:50:00	46.9	0	100	143	70
01/10/2020 18:00:00	46.6	0	100	143	70
01/10/2020 18:10:00	46.4	0	100	143	70
01/10/2020 18:20:00	46.2	0	100	144	70
01/10/2020 18:30:00	45.9	0	100	144	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
01/10/2020 16:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 16:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 16:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 16:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 16:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 16:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 17:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 17:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 17:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 17:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 17:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 17:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 18:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 18:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 18:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 18:30:00	-1.2	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
01/10/2020 18:40:00	45.7	0	100	141	70
01/10/2020 18:50:00	45.5	0	100	142	70
01/10/2020 19:00:00	45.3	0	100	143	70
01/10/2020 19:10:00	45.0	0	100	142	70
01/10/2020 19:20:00	44.8	0	100	143	70
01/10/2020 19:30:00	44.6	0	100	143	70
01/10/2020 19:40:00	44.4	0	100	143	70
01/10/2020 19:50:00	44.2	0	100	144	70
01/10/2020 20:00:00	44.0	0	100	144	70
01/10/2020 20:10:00	43.8	0	100	144	70
01/10/2020 20:20:00	43.6	0	100	144	70
01/10/2020 20:30:00	43.4	0	100	144	70
01/10/2020 20:40:00	43.2	0	100	144	70
01/10/2020 20:50:00	43.1	0	100	144	70
01/10/2020 21:00:00	42.9	0	100	144	70
01/10/2020 21:10:00	42.7	0	100	144	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
01/10/2020 18:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 18:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 19:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 19:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 19:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 19:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 19:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 19:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 20:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 20:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 20:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 20:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 20:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 20:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 21:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 21:10:00	-1.2	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
01/10/2020 21:20:00	42.5	0	100	144	70
01/10/2020 21:30:00	42.4	0	100	144	70
01/10/2020 21:40:00	42.2	0	100	144	70
01/10/2020 21:50:00	42.1	0	100	144	70
01/10/2020 22:00:00	41.9	0	100	144	70
01/10/2020 22:10:00	41.8	0	100	144	70
01/10/2020 22:20:00	41.6	0	100	144	70
01/10/2020 22:30:00	41.5	0	100	144	70
01/10/2020 22:40:00	41.4	0	100	144	70
01/10/2020 22:50:00	41.2	0	100	144	70
01/10/2020 23:00:00	41.1	0	100	144	70
01/10/2020 23:10:00	41.0	0	100	144	70
01/10/2020 23:20:00	40.8	0	100	144	70
01/10/2020 23:30:00	40.7	0	100	145	70
01/10/2020 23:40:00	40.6	0	100	145	70
01/10/2020 23:50:00	40.4	0	100	145	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
01/10/2020 21:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 21:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 21:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 21:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 22:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 22:10:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 22:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 22:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 22:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 22:50:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 23:00:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 23:10:00	-1.3	0.5	0.0	60.0	50.0
01/10/2020 23:20:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 23:30:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 23:40:00	-1.2	0.5	0.0	60.0	50.0
01/10/2020 23:50:00	-1.3	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
02/10/2020 00:00:00	40.3	0	100	145	70
02/10/2020 00:10:00	40.2	0	100	145	70
02/10/2020 00:20:00	40.1	0	100	145	70
02/10/2020 00:30:00	40.0	0	100	145	70
02/10/2020 00:40:00	39.9	0	100	145	70
02/10/2020 00:50:00	39.8	0	100	145	70
02/10/2020 01:00:00	39.7	0	100	145	70
02/10/2020 01:10:00	39.5	0	100	145	70
02/10/2020 01:20:00	39.4	0	100	145	70
02/10/2020 01:30:00	39.3	0	100	145	70
02/10/2020 01:40:00	39.2	0	100	145	70
02/10/2020 01:50:00	39.1	0	100	145	70
02/10/2020 02:00:00	39.0	0	100	145	70
02/10/2020 02:10:00	38.9	0	100	145	70
02/10/2020 02:20:00	38.8	0	100	145	70
02/10/2020 02:30:00	38.7	0	100	145	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
02/10/2020 00:00:00	-1.2	0.5	0.0	60.0	50.0
02/10/2020 00:10:00	-1.2	0.5	0.0	60.0	50.0
02/10/2020 00:20:00	-1.2	0.5	0.0	60.0	50.0
02/10/2020 00:30:00	-1.2	0.5	0.0	60.0	50.0
02/10/2020 00:40:00	-1.2	0.5	0.0	60.0	50.0
02/10/2020 00:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 01:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 01:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 01:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 01:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 01:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 01:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 02:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 02:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 02:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 02:30:00	-1.3	0.5	0.0	60.0	50.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:21		Page 69 of 905

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
02/10/2020 02:40:00	38.6	0	100	145	70
02/10/2020 02:50:00	38.6	0	100	145	70
02/10/2020 03:00:00	38.5	0	100	145	70
02/10/2020 03:10:00	38.4	0	100	144	70
02/10/2020 03:20:00	38.3	0	100	143	70
02/10/2020 03:30:00	38.2	0	100	145	70
02/10/2020 03:40:00	38.1	0	100	145	70
02/10/2020 03:50:00	38.0	0	100	145	70
02/10/2020 04:00:00	37.9	0	100	145	70
02/10/2020 04:10:00	37.8	0	100	145	70
02/10/2020 04:20:00	37.7	0	100	144	70
02/10/2020 04:30:00	37.7	0	100	144	70
02/10/2020 04:40:00	37.6	0	100	144	70
02/10/2020 04:50:00	37.5	0	100	144	70
02/10/2020 05:00:00	37.4	0	100	144	70
02/10/2020 05:10:00	37.4	0	100	144	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



# SYNEGENE INTERNATIONAL LIMITED

S2, BMP4, Biocon Park, Bangalore

## CLEAN IN PLACE (CIP)

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
02/10/2020 02:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 02:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 03:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 03:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 03:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 03:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 03:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 03:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 04:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 04:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 04:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 04:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 04:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 04:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 05:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 05:10:00	-1.3	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
02/10/2020 05:20:00	37.3	0	100	144	70
02/10/2020 05:30:00	37.2	0	100	144	70
02/10/2020 05:40:00	37.1	0	100	144	70
02/10/2020 05:50:00	37.0	0	100	145	70
02/10/2020 06:00:00	37.0	0	100	145	70
02/10/2020 06:10:00	36.9	0	100	145	70
02/10/2020 06:20:00	36.8	0	100	145	70
02/10/2020 06:30:00	36.8	0	100	145	70
02/10/2020 06:40:00	36.7	0	100	145	70
02/10/2020 06:50:00	36.6	0	100	145	70
02/10/2020 07:00:00	36.5	0	100	145	70
02/10/2020 07:10:00	36.5	0	100	145	70
02/10/2020 07:20:00	36.4	0	100	145	70
02/10/2020 07:30:00	36.3	0	100	145	70
02/10/2020 07:40:00	36.3	0	100	145	70
02/10/2020 07:50:00	36.2	0	100	145	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
02/10/2020 05:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 05:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 05:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 05:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 06:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 06:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 06:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 06:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 06:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 06:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 07:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 07:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 07:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 07:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 07:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 07:50:00	-1.3	0.5	0.0	60.0	50.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:21		Page 73 of 905

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
02/10/2020 08:00:00	36.1	0	100	145	70
02/10/2020 08:10:00	36.0	0	100	145	70
02/10/2020 08:20:00	36.0	0	100	145	70
02/10/2020 08:30:00	35.9	0	100	145	70
02/10/2020 08:40:00	35.8	0	100	145	70
02/10/2020 08:50:00	35.8	0	100	145	70
02/10/2020 09:00:00	35.7	0	100	144	70
02/10/2020 09:10:00	35.6	0	100	144	70
02/10/2020 09:20:00	35.6	0	100	144	70
02/10/2020 09:30:00	35.5	0	100	144	70
02/10/2020 09:40:00	35.5	0	100	145	70
02/10/2020 09:50:00	35.4	0	100	145	70
02/10/2020 10:00:00	35.3	0	100	145	70
02/10/2020 10:10:00	35.3	0	100	145	70
02/10/2020 10:20:00	35.2	0	100	145	70
02/10/2020 10:30:00	35.1	0	100	145	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
02/10/2020 08:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 08:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 08:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 08:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 08:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 08:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 09:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 09:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 09:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 09:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 09:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 09:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 10:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 10:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 10:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 10:30:00	-1.3	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
02/10/2020 10:40:00	35.1	0	100	145	70
02/10/2020 10:50:00	35.0	0	100	145	70
02/10/2020 11:00:00	35.0	0	100	145	70
02/10/2020 11:10:00	34.9	0	100	145	70
02/10/2020 11:20:00	34.8	0	100	145	70
02/10/2020 11:30:00	34.8	0	100	145	70
02/10/2020 11:40:00	34.7	0	100	145	70
02/10/2020 11:50:00	34.7	0	100	145	70
02/10/2020 12:00:00	34.6	0	100	145	70
02/10/2020 12:10:00	34.6	0	100	145	70
02/10/2020 12:20:00	34.5	0	100	145	70
02/10/2020 12:30:00	34.5	0	100	145	70
02/10/2020 12:40:00	34.4	0	100	145	70
02/10/2020 12:50:00	34.3	0	100	145	70
02/10/2020 13:00:00	34.3	0	100	145	70
02/10/2020 13:10:00	34.2	0	100	145	70

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:21		Page 76 of 905

**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
02/10/2020 10:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 10:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 11:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 11:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 11:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 11:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 11:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 11:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 12:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 12:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 12:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 12:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 12:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 12:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 13:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 13:10:00	-1.3	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
02/10/2020 13:20:00	34.2	0	100	145	70
02/10/2020 13:30:00	34.1	0	100	145	70
02/10/2020 13:40:00	34.1	0	100	145	70
02/10/2020 13:50:00	34.1	0	100	145	70
02/10/2020 14:00:00	34.0	0	100	145	70
02/10/2020 14:10:00	34.0	0	100	145	70
02/10/2020 14:20:00	33.9	0	100	145	70
02/10/2020 14:30:00	33.8	0	100	145	70
02/10/2020 14:40:00	33.8	0	100	145	70
02/10/2020 14:50:00	33.8	0	100	145	70
02/10/2020 15:00:00	33.7	0	100	145	70
02/10/2020 15:10:00	33.7	0	100	145	70
02/10/2020 15:20:00	33.6	0	100	145	70
02/10/2020 15:30:00	33.6	0	100	145	70
02/10/2020 15:40:00	33.5	0	100	145	70
02/10/2020 15:50:00	33.5	0	100	145	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



# SYNEGENE INTERNATIONAL LIMITED

S2, BMP4, Biocon Park, Bangalore

## CLEAN IN PLACE (CIP)

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01)	PUMP CP-0201	CP-0201 SETPOINT FOR SPRAY	CP-0201 SP FOR REST OF
		200-RPT/QICR-205_SP_CIP.CV	SICR-0202/AO1/PV.CV	BALL 200-RPT/SICR-202_SP_CIP.CV	LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
02/10/2020 13:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 13:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 13:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 13:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 14:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 14:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 14:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 14:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 14:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 14:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 15:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 15:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 15:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 15:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 15:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 15:50:00	-1.3	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
02/10/2020 16:00:00	33.5	0	100	145	70
02/10/2020 16:10:00	33.4	0	100	145	70
02/10/2020 16:20:00	33.4	0	100	145	70
02/10/2020 16:30:00	33.3	0	100	145	70
02/10/2020 16:40:00	33.3	0	100	145	70
02/10/2020 16:50:00	33.2	0	100	145	70
02/10/2020 17:00:00	33.2	0	100	145	70
02/10/2020 17:10:00	33.2	0	100	145	70
02/10/2020 17:20:00	33.1	0	100	145	70
02/10/2020 17:30:00	33.1	0	100	145	70
02/10/2020 17:40:00	33.0	0	100	145	70
02/10/2020 17:50:00	33.0	0	100	145	70
02/10/2020 18:00:00	33.0	0	100	145	70
02/10/2020 18:10:00	32.9	0	100	145	70
02/10/2020 18:20:00	32.9	0	100	145	70
02/10/2020 18:30:00	32.9	0	100	145	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
02/10/2020 16:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 16:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 16:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 16:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 16:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 16:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 17:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 17:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 17:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 17:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 17:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 17:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 18:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 18:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 18:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 18:30:00	-1.3	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
02/10/2020 18:40:00	32.8	0	100	145	70
02/10/2020 18:50:00	32.8	0	100	145	70
02/10/2020 19:00:00	32.7	0	100	145	70
02/10/2020 19:10:00	32.7	0	100	145	70
02/10/2020 19:20:00	32.7	0	100	145	70
02/10/2020 19:30:00	32.6	0	100	145	70
02/10/2020 19:40:00	32.6	0	100	145	70
02/10/2020 19:50:00	32.5	0	100	145	70
02/10/2020 20:00:00	32.5	0	100	145	70
02/10/2020 20:10:00	32.5	0	100	145	70
02/10/2020 20:20:00	32.4	0	100	145	70
02/10/2020 20:30:00	32.4	0	100	145	70
02/10/2020 20:40:00	32.4	0	100	145	70
02/10/2020 20:50:00	32.4	0	100	145	70
02/10/2020 21:00:00	32.3	0	100	145	70
02/10/2020 21:10:00	32.3	0	100	145	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
02/10/2020 18:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 18:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 19:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 19:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 19:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 19:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 19:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 19:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 20:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 20:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 20:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 20:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 20:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 20:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 21:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 21:10:00	-1.3	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
02/10/2020 21:20:00	32.3	0	100	145	70
02/10/2020 21:30:00	32.2	0	100	145	70
02/10/2020 21:40:00	32.2	0	100	145	70
02/10/2020 21:50:00	32.2	0	100	145	70
02/10/2020 22:00:00	32.1	0	100	145	70
02/10/2020 22:10:00	32.1	0	100	145	70
02/10/2020 22:20:00	32.1	0	100	145	70
02/10/2020 22:30:00	32.0	0	100	145	70
02/10/2020 22:40:00	32.0	0	100	145	70
02/10/2020 22:50:00	32.0	0	100	145	70
02/10/2020 23:00:00	32.0	0	100	145	70
02/10/2020 23:10:00	31.9	0	100	145	70
02/10/2020 23:20:00	31.9	0	100	145	70
02/10/2020 23:30:00	31.9	0	100	145	70
02/10/2020 23:40:00	31.8	0	100	145	70
02/10/2020 23:50:00	31.8	0	100	145	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
02/10/2020 21:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 21:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 21:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 21:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 22:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 22:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 22:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 22:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 22:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 22:50:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 23:00:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 23:10:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 23:20:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 23:30:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 23:40:00	-1.3	0.5	0.0	60.0	50.0
02/10/2020 23:50:00	-1.3	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
03/10/2020 00:00:00	31.8	0	100	145	70
03/10/2020 00:10:00	31.7	0	100	145	70
03/10/2020 00:20:00	31.7	0	100	145	70
03/10/2020 00:30:00	31.7	0	100	145	70
03/10/2020 00:40:00	31.7	0	100	145	70
03/10/2020 00:50:00	31.6	0	100	145	70
03/10/2020 01:00:00	31.6	0	100	145	70
03/10/2020 01:10:00	31.6	0	100	145	70
03/10/2020 01:20:00	31.5	0	100	145	70
03/10/2020 01:30:00	31.5	0	100	145	70
03/10/2020 01:40:00	31.5	0	100	145	70
03/10/2020 01:50:00	31.5	0	100	145	70
03/10/2020 02:00:00	31.4	0	100	145	70
03/10/2020 02:10:00	31.4	0	100	145	70
03/10/2020 02:20:00	31.4	0	100	145	70
03/10/2020 02:30:00	31.4	0	100	145	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



# SYNEGENE INTERNATIONAL LIMITED

S2, BMP4, Biocon Park, Bangalore

## CLEAN IN PLACE (CIP)

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01)	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ.
		200-RPT/QICR-205_SP_CIP.CV		200-RPT/SICR-202_SP_CIP.CV	200-RPT/SICR-202_SP_OTL.CV
03/10/2020 00:00:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 00:10:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 00:20:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 00:30:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 00:40:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 00:50:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 01:00:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 01:10:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 01:20:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 01:30:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 01:40:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 01:50:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 02:00:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 02:10:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 02:20:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 02:30:00	-1.3	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
03/10/2020 02:40:00	31.3	0	100	145	70
03/10/2020 02:50:00	31.3	0	100	145	70
03/10/2020 03:00:00	31.3	0	100	145	70
03/10/2020 03:10:00	31.3	0	100	145	70
03/10/2020 03:20:00	31.3	0	100	145	70
03/10/2020 03:30:00	31.2	0	100	145	70
03/10/2020 03:40:00	31.2	0	100	145	70
03/10/2020 03:50:00	31.2	0	100	145	70
03/10/2020 04:00:00	31.1	0	100	145	70
03/10/2020 04:10:00	31.1	0	100	145	70
03/10/2020 04:20:00	31.1	0	100	145	70
03/10/2020 04:30:00	31.1	0	100	145	70
03/10/2020 04:40:00	31.1	0	100	145	70
03/10/2020 04:50:00	31.0	0	100	145	70
03/10/2020 05:00:00	31.0	0	100	145	70
03/10/2020 05:10:00	31.0	0	100	145	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
03/10/2020 02:40:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 02:50:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 03:00:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 03:10:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 03:20:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 03:30:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 03:40:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 03:50:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 04:00:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 04:10:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 04:20:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 04:30:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 04:40:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 04:50:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 05:00:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 05:10:00	-1.3	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
03/10/2020 05:20:00	31.0	0	100	145	70
03/10/2020 05:30:00	30.9	0	100	145	70
03/10/2020 05:40:00	30.9	0	100	145	70
03/10/2020 05:50:00	30.9	0	100	145	70
03/10/2020 06:00:00	30.9	0	100	145	70
03/10/2020 06:10:00	30.8	0	100	145	70
03/10/2020 06:20:00	30.8	0	100	145	70
03/10/2020 06:30:00	30.8	0	100	145	70
03/10/2020 06:40:00	30.8	0	100	145	70
03/10/2020 06:50:00	30.7	0	100	145	70
03/10/2020 07:00:00	30.7	0	100	145	70
03/10/2020 07:10:00	30.7	0	100	145	70
03/10/2020 07:20:00	30.7	0	100	145	70
03/10/2020 07:30:00	30.6	0	100	145	70
03/10/2020 07:40:00	30.6	0	100	145	70
03/10/2020 07:50:00	30.6	0	100	145	70

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:21		Page 90 of 905

**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
03/10/2020 05:20:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 05:30:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 05:40:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 05:50:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 06:00:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 06:10:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 06:20:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 06:30:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 06:40:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 06:50:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 07:00:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 07:10:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 07:20:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 07:30:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 07:40:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 07:50:00	-1.3	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
03/10/2020 08:00:00	30.6	0	100	145	70
03/10/2020 08:10:00	30.6	0	100	145	70
03/10/2020 08:20:00	30.5	0	100	144	70
03/10/2020 08:30:00	30.5	0	100	144	70
03/10/2020 08:40:00	30.5	0	100	144	70
03/10/2020 08:50:00	30.5	0	100	144	70
03/10/2020 09:00:00	30.5	0	100	144	70
03/10/2020 09:10:00	30.5	0	100	143	70
03/10/2020 09:20:00	30.4	0	100	143	70
03/10/2020 09:30:00	30.4	0	100	143	70
03/10/2020 09:40:00	30.4	0	100	143	70
03/10/2020 09:50:00	30.4	0	100	143	70
03/10/2020 10:00:00	30.4	0	100	143	70
03/10/2020 10:10:00	30.3	0	100	143	70
03/10/2020 10:20:00	30.3	0	100	143	70
03/10/2020 10:30:00	30.3	0	100	143	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
03/10/2020 08:00:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 08:10:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 08:20:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 08:30:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 08:40:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 08:50:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 09:00:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 09:10:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 09:20:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 09:30:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 09:40:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 09:50:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 10:00:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 10:10:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 10:20:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 10:30:00	-1.3	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
03/10/2020 10:40:00	30.3	0	100	143	70
03/10/2020 10:50:00	30.3	0	100	143	70
03/10/2020 11:00:00	30.2	0	100	144	70
03/10/2020 11:10:00	30.0	0	100	143	70
03/10/2020 11:20:00	29.9	0	100	143	70
03/10/2020 11:30:00	29.8	0	100	143	70
03/10/2020 11:40:00	29.7	0	100	143	70
03/10/2020 11:50:00	29.5	0	100	143	70
03/10/2020 12:00:00	29.4	0	100	143	70
03/10/2020 12:10:00	29.3	0	100	143	70
03/10/2020 12:20:00	29.2	0	100	143	70
03/10/2020 12:30:00	29.0	0	100	143	70
03/10/2020 12:40:00	28.9	0	100	143	70
03/10/2020 12:50:00	28.8	0	100	143	70
03/10/2020 13:00:00	28.6	0	100	143	70
03/10/2020 13:10:00	28.5	0	100	143	70

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:22		Page 94 of 905

**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
03/10/2020 10:40:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 10:50:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 11:00:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 11:10:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 11:20:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 11:30:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 11:40:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 11:50:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 12:00:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 12:10:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 12:20:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 12:30:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 12:40:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 12:50:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 13:00:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 13:10:00	-1.2	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
03/10/2020 13:20:00	28.4	0	100	143	70
03/10/2020 13:30:00	28.3	0	100	143	70
03/10/2020 13:40:00	28.1	0	100	143	70
03/10/2020 13:50:00	28.0	0	100	143	70
03/10/2020 14:00:00	27.9	0	100	143	70
03/10/2020 14:10:00	27.8	0	100	143	70
03/10/2020 14:20:00	27.7	0	100	143	70
03/10/2020 14:30:00	27.6	0	100	143	70
03/10/2020 14:40:00	27.5	0	100	143	70
03/10/2020 14:50:00	27.4	0	100	143	70
03/10/2020 15:00:00	27.2	0	100	143	70
03/10/2020 15:10:00	27.1	0	100	143	70
03/10/2020 15:20:00	27.0	0	100	143	70
03/10/2020 15:30:00	26.9	0	100	143	70
03/10/2020 15:40:00	26.8	0	100	143	70
03/10/2020 15:50:00	26.8	0	100	142	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER





# SYNEGENE INTERNATIONAL LIMITED

S2, BMP4, Biocon Park, Bangalore

## CLEAN IN PLACE (CIP)

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01)	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ.
		200-RPT/QICR-205_SP_CIP.CV		200-RPT/SICR-202_SP_CIP.CV	200-RPT/SICR-202_SP_OTL.CV
03/10/2020 13:20:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 13:30:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 13:40:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 13:50:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 14:00:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 14:10:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 14:20:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 14:30:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 14:40:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 14:50:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 15:00:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 15:10:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 15:20:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 15:30:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 15:40:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 15:50:00	-1.2	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
03/10/2020 16:00:00	26.8	0	100	141	70
03/10/2020 16:10:00	26.8	0	100	141	70
03/10/2020 16:20:00	26.8	0	100	141	70
03/10/2020 16:30:00	26.7	0	100	140	70
03/10/2020 16:40:00	26.7	0	100	140	70
03/10/2020 16:50:00	26.7	0	100	140	70
03/10/2020 17:00:00	26.7	0	100	140	70
03/10/2020 17:10:00	26.7	0	100	140	70
03/10/2020 17:20:00	26.7	0	100	140	70
03/10/2020 17:30:00	26.6	0	100	141	70
03/10/2020 17:40:00	26.6	0	100	140	70
03/10/2020 17:50:00	26.6	0	100	140	70
03/10/2020 18:00:00	26.6	0	100	140	70
03/10/2020 18:10:00	26.6	0	100	140	70
03/10/2020 18:20:00	26.6	0	100	140	70
03/10/2020 18:30:00	26.6	0	100	140	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



# SYNEGENE INTERNATIONAL LIMITED

S2, BMP4, Biocon Park, Bangalore

## CLEAN IN PLACE (CIP)

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01)	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ.
		200-RPT/QICR-205_SP_CIP.CV		200-RPT/SICR-202_SP_CIP.CV	200-RPT/SICR-202_SP_OTL.CV
03/10/2020 16:00:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 16:10:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 16:20:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 16:30:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 16:40:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 16:50:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 17:00:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 17:10:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 17:20:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 17:30:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 17:40:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 17:50:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 18:00:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 18:10:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 18:20:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 18:30:00	-1.2	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
03/10/2020 18:40:00	26.5	0	100	140	70
03/10/2020 18:50:00	26.5	0	100	140	70
03/10/2020 19:00:00	26.5	0	100	140	70
03/10/2020 19:10:00	26.5	0	100	140	70
03/10/2020 19:20:00	26.5	0	100	140	70
03/10/2020 19:30:00	26.5	0	100	140	70
03/10/2020 19:40:00	26.5	0	100	140	70
03/10/2020 19:50:00	26.5	0	100	140	70
03/10/2020 20:00:00	26.5	0	100	139	70
03/10/2020 20:10:00	26.5	0	100	139	70
03/10/2020 20:20:00	26.5	0	100	139	70
03/10/2020 20:30:00	26.5	0	100	139	70
03/10/2020 20:40:00	26.5	0	100	139	70
03/10/2020 20:50:00	26.5	0	100	139	70
03/10/2020 21:00:00	26.5	0	100	139	70
03/10/2020 21:10:00	26.4	0	100	139	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



# SYNEGENE INTERNATIONAL LIMITED

S2, BMP4, Biocon Park, Bangalore

## CLEAN IN PLACE (CIP)

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01)	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ.
		200-RPT/QICR-205_SP_CIP.CV		200-RPT/SICR-202_SP_CIP.CV	200-RPT/SICR-202_SP_OTL.CV
03/10/2020 18:40:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 18:50:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 19:00:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 19:10:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 19:20:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 19:30:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 19:40:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 19:50:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 20:00:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 20:10:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 20:20:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 20:30:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 20:40:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 20:50:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 21:00:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 21:10:00	-1.2	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR-201_SP_CIP.CV	LEVEL LICR-0201/PV.CV	LEVEL LOW LIMIT SP (CIP- LI01) 200-RPT/LICR-201_SP_CIP.CV
03/10/2020 21:20:00	26.4	0	100	139	70
03/10/2020 21:30:00	26.4	0	100	139	70
03/10/2020 21:40:00	26.4	0	100	139	70
03/10/2020 21:50:00	26.4	0	100	139	70
03/10/2020 22:00:00	26.4	0	100	139	70
03/10/2020 22:10:00	26.4	0	100	139	70
03/10/2020 22:20:00	26.4	0	100	138	70
03/10/2020 22:30:00	26.4	0	100	138	70
03/10/2020 22:40:00	26.4	0	100	138	70
03/10/2020 22:50:00	26.4	0	100	138	70
03/10/2020 23:00:00	26.4	0	100	138	70
03/10/2020 23:10:00	26.4	0	100	138	70
03/10/2020 23:20:00	26.4	0	100	138	70
03/10/2020 23:30:00	26.4	0	100	138	70
03/10/2020 23:40:00	26.4	0	100	138	70
03/10/2020 23:50:00	26.4	0	100	138	70

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**CLEAN IN PLACE (CIP)**

DATE & TIME	CONDUCTIVITY QICR-0205/PV.CV	WFI FINAL CONDUCTIVITY SP (CIP-QI01) 200-RPT/QICR-205_SP_CIP.CV	PUMP CP-0201 SICR-0202/AO1/PV.CV	CP-0201 SETPOINT FOR SPRAY BALL 200-RPT/SICR-202_SP_CIP.CV	CP-0201 SP FOR REST OF LINES EXCEPT CIP SEQ. 200-RPT/SICR-202_SP_OTL.CV
03/10/2020 21:20:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 21:30:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 21:40:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 21:50:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 22:00:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 22:10:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 22:20:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 22:30:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 22:40:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 22:50:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 23:00:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 23:10:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 23:20:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 23:30:00	-1.2	0.5	0.0	60.0	50.0
03/10/2020 23:40:00	-1.3	0.5	0.0	60.0	50.0
03/10/2020 23:50:00	-1.2	0.5	0.0	60.0	50.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
01/10/2020 00:00:00	28	14.0	121.0	35.0	-0.14	121.00	16.9
01/10/2020 00:10:00	28	13.9	121.0	35.0	-0.14	121.00	16.9
01/10/2020 00:20:00	27	13.9	121.0	35.0	-0.14	121.00	16.9
01/10/2020 00:30:00	27	13.9	121.0	35.0	-0.13	121.00	16.8
01/10/2020 00:40:00	27	13.9	121.0	35.0	-0.13	121.00	16.8
01/10/2020 00:50:00	27	13.9	121.0	35.0	-0.13	121.00	16.8
01/10/2020 01:00:00	27	13.9	121.0	35.0	-0.13	121.00	16.8
01/10/2020 01:10:00	27	13.9	121.0	35.0	-0.13	121.00	16.8
01/10/2020 01:20:00	27	13.9	121.0	35.0	-0.13	121.00	16.8
01/10/2020 01:30:00	27	13.9	121.0	35.0	-0.13	121.00	16.8
01/10/2020 01:40:00	27	13.8	121.0	35.0	-0.13	121.00	16.7
01/10/2020 01:50:00	26	13.8	121.0	35.0	-0.13	121.00	16.7
01/10/2020 02:00:00	26	13.8	121.0	35.0	-0.13	121.00	16.7
01/10/2020 02:10:00	26	13.8	121.0	35.0	-0.13	121.00	16.7
01/10/2020 02:20:00	26	13.8	121.0	35.0	-0.13	121.00	16.7
01/10/2020 02:30:00	26	13.8	121.0	35.0	-0.13	121.00	16.6

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 00:00:00	14.4	16.4	15.6	16.3	15.9	15.0	16.2
01/10/2020 00:10:00	14.4	16.4	15.6	16.3	15.8	15.0	16.1
01/10/2020 00:20:00	14.3	16.4	15.5	16.3	15.8	15.0	16.1
01/10/2020 00:30:00	14.4	16.4	15.6	16.2	15.8	15.0	16.1
01/10/2020 00:40:00	14.4	16.3	15.5	16.2	15.8	15.0	16.1
01/10/2020 00:50:00	14.3	16.3	15.4	16.2	15.8	14.9	16.1
01/10/2020 01:00:00	14.3	16.3	15.4	16.2	15.8	14.9	16.1
01/10/2020 01:10:00	14.3	16.3	15.4	16.2	15.8	14.9	16.0
01/10/2020 01:20:00	14.3	16.3	15.4	16.1	15.8	14.9	16.0
01/10/2020 01:30:00	14.2	16.2	15.4	16.1	15.7	14.9	16.0
01/10/2020 01:40:00	14.2	16.2	15.4	16.1	15.7	14.8	16.0
01/10/2020 01:50:00	14.2	16.2	15.3	16.1	15.7	14.9	16.0
01/10/2020 02:00:00	14.2	16.2	15.3	16.0	15.7	14.8	16.0
01/10/2020 02:10:00	14.2	16.2	15.3	16.0	15.7	14.8	16.0
01/10/2020 02:20:00	14.2	16.1	15.3	16.0	15.6	14.8	15.9
01/10/2020 02:30:00	14.2	16.1	15.2	16.0	15.6	14.8	15.9

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:26		Page 105 of 905

<b>EMPTY VESSEL STERILIZATION (ESIP)</b>			
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
01/10/2020 00:00:00	16.3	16.2	15.4
01/10/2020 00:10:00	16.3	16.2	15.4
01/10/2020 00:20:00	16.3	16.2	15.4
01/10/2020 00:30:00	16.3	16.2	15.4
01/10/2020 00:40:00	16.3	16.2	15.4
01/10/2020 00:50:00	16.3	16.2	15.4
01/10/2020 01:00:00	16.3	16.2	15.3
01/10/2020 01:10:00	16.2	16.1	15.3
01/10/2020 01:20:00	16.2	16.1	15.3
01/10/2020 01:30:00	16.2	16.1	15.3
01/10/2020 01:40:00	16.2	16.1	15.3
01/10/2020 01:50:00	16.2	16.1	15.3
01/10/2020 02:00:00	16.2	16.0	15.2
01/10/2020 02:10:00	16.1	16.0	15.2
01/10/2020 02:20:00	16.1	16.0	15.2
01/10/2020 02:30:00	16.1	16.0	15.2

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:26		Page 106 of 905

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
01/10/2020 02:40:00	26	13.8	121.0	35.0	-0.13	121.00	16.6
01/10/2020 02:50:00	26	13.7	121.0	35.0	-0.13	121.00	16.6
01/10/2020 03:00:00	26	13.7	121.0	35.0	-0.13	121.00	16.5
01/10/2020 03:10:00	26	13.7	121.0	35.0	-0.13	121.00	16.5
01/10/2020 03:20:00	26	13.7	121.0	35.0	-0.13	121.00	16.5
01/10/2020 03:30:00	26	13.7	121.0	35.0	-0.13	121.00	16.5
01/10/2020 03:40:00	25	13.7	121.0	35.0	-0.13	121.00	16.4
01/10/2020 03:50:00	25	13.7	121.0	35.0	-0.13	121.00	16.4
01/10/2020 04:00:00	25	13.6	121.0	35.0	-0.13	121.00	16.4
01/10/2020 04:10:00	25	13.6	121.0	35.0	-0.13	121.00	16.4
01/10/2020 04:20:00	25	13.6	121.0	35.0	-0.13	121.00	16.4
01/10/2020 04:30:00	25	13.6	121.0	35.0	-0.13	121.00	16.4
01/10/2020 04:40:00	25	13.6	121.0	35.0	-0.13	121.00	16.3
01/10/2020 04:50:00	25	13.6	121.0	35.0	-0.13	121.00	16.3
01/10/2020 05:00:00	25	13.6	121.0	35.0	-0.13	121.00	16.3
01/10/2020 05:10:00	25	13.6	121.0	35.0	-0.13	121.00	16.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 02:40:00	14.2	16.1	15.2	15.9	15.6	14.8	15.9
01/10/2020 02:50:00	14.1	16.1	15.2	15.9	15.6	14.7	15.9
01/10/2020 03:00:00	14.1	16.0	15.1	15.9	15.6	14.7	15.9
01/10/2020 03:10:00	14.1	16.0	15.1	15.9	15.6	14.7	15.9
01/10/2020 03:20:00	14.1	16.0	15.1	15.9	15.6	14.7	15.8
01/10/2020 03:30:00	14.0	16.0	15.1	15.8	15.5	14.6	15.8
01/10/2020 03:40:00	14.0	16.0	15.1	15.8	15.5	14.7	15.8
01/10/2020 03:50:00	14.0	15.9	15.1	15.8	15.5	14.6	15.8
01/10/2020 04:00:00	14.0	15.9	15.1	15.8	15.5	14.6	15.8
01/10/2020 04:10:00	14.0	15.9	15.0	15.8	15.5	14.6	15.8
01/10/2020 04:20:00	14.0	15.9	15.0	15.8	15.5	14.6	15.7
01/10/2020 04:30:00	14.0	15.9	15.0	15.7	15.4	14.6	15.7
01/10/2020 04:40:00	14.0	15.9	15.0	15.7	15.4	14.6	15.7
01/10/2020 04:50:00	13.9	15.8	14.9	15.7	15.4	14.5	15.7
01/10/2020 05:00:00	13.9	15.8	14.9	15.7	15.4	14.5	15.7
01/10/2020 05:10:00	13.9	15.8	14.9	15.7	15.4	14.5	15.6

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
01/10/2020 02:40:00	16.1	15.9	15.2
01/10/2020 02:50:00	16.1	15.9	15.1
01/10/2020 03:00:00	16.0	15.9	15.1
01/10/2020 03:10:00	16.0	15.9	15.1
01/10/2020 03:20:00	16.0	15.9	15.1
01/10/2020 03:30:00	16.0	15.8	15.1
01/10/2020 03:40:00	16.0	15.8	15.1
01/10/2020 03:50:00	16.0	15.8	15.1
01/10/2020 04:00:00	16.0	15.8	15.0
01/10/2020 04:10:00	16.0	15.8	15.0
01/10/2020 04:20:00	15.9	15.8	15.0
01/10/2020 04:30:00	15.9	15.7	15.0
01/10/2020 04:40:00	15.9	15.7	15.0
01/10/2020 04:50:00	15.9	15.7	15.0
01/10/2020 05:00:00	15.9	15.7	15.0
01/10/2020 05:10:00	15.8	15.7	15.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
01/10/2020 05:20:00	25	13.6	121.0	35.0	-0.13	121.00	16.2
01/10/2020 05:30:00	24	13.6	121.0	35.0	-0.13	121.00	16.2
01/10/2020 05:40:00	24	13.5	121.0	35.0	-0.13	121.00	16.2
01/10/2020 05:50:00	24	13.5	121.0	35.0	-0.13	121.00	16.2
01/10/2020 06:00:00	24	13.5	121.0	35.0	-0.13	121.00	16.2
01/10/2020 06:10:00	24	13.5	121.0	35.0	-0.13	121.00	16.2
01/10/2020 06:20:00	24	13.5	121.0	35.0	-0.13	121.00	16.1
01/10/2020 06:30:00	24	13.5	121.0	35.0	-0.13	121.00	16.2
01/10/2020 06:40:00	24	13.5	121.0	35.0	-0.13	121.00	16.1
01/10/2020 06:50:00	24	13.5	121.0	35.0	-0.13	121.00	16.1
01/10/2020 07:00:00	24	13.5	121.0	35.0	-0.13	121.00	16.1
01/10/2020 07:10:00	24	13.5	121.0	35.0	-0.13	121.00	16.1
01/10/2020 07:20:00	24	13.5	121.0	35.0	-0.13	121.00	16.0
01/10/2020 07:30:00	24	13.5	121.0	35.0	-0.13	121.00	16.0
01/10/2020 07:40:00	23	13.5	121.0	35.0	-0.13	121.00	16.0
01/10/2020 07:50:00	23	13.5	121.0	35.0	-0.13	121.00	16.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 05:20:00	13.9	15.8	14.9	15.6	15.4	14.5	15.6
01/10/2020 05:30:00	13.9	15.8	14.9	15.6	15.4	14.5	15.6
01/10/2020 05:40:00	13.9	15.8	14.8	15.6	15.3	14.5	15.6
01/10/2020 05:50:00	13.9	15.8	14.8	15.6	15.3	14.5	15.6
01/10/2020 06:00:00	13.9	15.7	14.8	15.6	15.3	14.5	15.6
01/10/2020 06:10:00	13.9	15.7	14.8	15.6	15.3	14.5	15.6
01/10/2020 06:20:00	13.9	15.7	14.8	15.6	15.3	14.5	15.6
01/10/2020 06:30:00	13.9	15.7	14.8	15.6	15.3	14.5	15.6
01/10/2020 06:40:00	13.9	15.7	14.8	15.5	15.3	14.4	15.5
01/10/2020 06:50:00	13.9	15.7	14.8	15.5	15.3	14.4	15.5
01/10/2020 07:00:00	13.9	15.7	14.8	15.6	15.3	14.4	15.5
01/10/2020 07:10:00	13.9	15.7	14.8	15.5	15.3	14.4	15.5
01/10/2020 07:20:00	13.8	15.7	14.7	15.5	15.3	14.4	15.5
01/10/2020 07:30:00	13.8	15.6	14.7	15.5	15.2	14.4	15.5
01/10/2020 07:40:00	13.8	15.6	14.7	15.5	15.2	14.4	15.5
01/10/2020 07:50:00	13.8	15.6	14.7	15.5	15.2	14.4	15.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
01/10/2020 05:20:00	15.8	15.7	14.9
01/10/2020 05:30:00	15.8	15.7	14.9
01/10/2020 05:40:00	15.8	15.6	14.9
01/10/2020 05:50:00	15.8	15.6	14.9
01/10/2020 06:00:00	15.8	15.6	14.9
01/10/2020 06:10:00	15.8	15.6	14.9
01/10/2020 06:20:00	15.8	15.6	14.9
01/10/2020 06:30:00	15.7	15.6	14.9
01/10/2020 06:40:00	15.7	15.6	14.8
01/10/2020 06:50:00	15.7	15.6	14.8
01/10/2020 07:00:00	15.7	15.5	14.8
01/10/2020 07:10:00	15.7	15.5	14.8
01/10/2020 07:20:00	15.7	15.5	14.8
01/10/2020 07:30:00	15.7	15.5	14.8
01/10/2020 07:40:00	15.7	15.5	14.8
01/10/2020 07:50:00	15.7	15.5	14.8



**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
01/10/2020 08:00:00	23	13.5	121.0	35.0	-0.13	121.00	16.0
01/10/2020 08:10:00	23	13.5	121.0	35.0	-0.13	121.00	16.0
01/10/2020 08:20:00	23	13.4	121.0	35.0	-0.13	121.00	16.0
01/10/2020 08:30:00	23	13.4	121.0	35.0	-0.13	121.00	16.0
01/10/2020 08:40:00	23	13.4	121.0	35.0	-0.13	121.00	16.0
01/10/2020 08:50:00	23	13.5	121.0	35.0	-0.13	121.00	16.0
01/10/2020 09:00:00	23	13.4	121.0	35.0	-0.13	121.00	15.9
01/10/2020 09:10:00	23	13.4	121.0	35.0	-0.13	121.00	15.9
01/10/2020 09:20:00	23	13.4	121.0	35.0	-0.13	121.00	15.9
01/10/2020 09:30:00	23	13.4	121.0	35.0	-0.13	121.00	15.9
01/10/2020 09:40:00	23	13.4	121.0	35.0	-0.13	121.00	15.9
01/10/2020 09:50:00	23	13.4	121.0	35.0	-0.13	121.00	15.8
01/10/2020 10:00:00	23	13.4	121.0	35.0	-0.13	121.00	15.8
01/10/2020 10:10:00	22	13.4	121.0	35.0	-0.13	121.00	15.8
01/10/2020 10:20:00	22	13.5	121.0	35.0	-0.13	121.00	15.9
01/10/2020 10:30:00	22	13.8	121.0	35.0	-0.12	121.00	16.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 08:00:00	13.8	15.6	14.7	15.5	15.2	14.4	15.5
01/10/2020 08:10:00	13.8	15.6	14.7	15.5	15.2	14.4	15.5
01/10/2020 08:20:00	13.8	15.6	14.7	15.5	15.2	14.4	15.5
01/10/2020 08:30:00	13.8	15.6	14.7	15.5	15.2	14.4	15.5
01/10/2020 08:40:00	13.8	15.6	14.7	15.5	15.2	14.4	15.5
01/10/2020 08:50:00	13.8	15.6	14.7	15.5	15.2	14.4	15.5
01/10/2020 09:00:00	13.8	15.6	14.7	15.4	15.2	14.4	15.5
01/10/2020 09:10:00	13.8	15.6	14.6	15.4	15.2	14.3	15.4
01/10/2020 09:20:00	13.8	15.5	14.6	15.4	15.2	14.3	15.4
01/10/2020 09:30:00	13.7	15.6	14.6	15.4	15.2	14.3	15.4
01/10/2020 09:40:00	13.8	15.5	14.6	15.4	15.2	14.3	15.4
01/10/2020 09:50:00	13.8	15.6	14.6	15.4	15.2	14.4	15.5
01/10/2020 10:00:00	13.8	15.6	14.6	15.4	15.2	14.4	15.4
01/10/2020 10:10:00	13.8	15.6	14.6	15.4	15.2	14.4	15.4
01/10/2020 10:20:00	14.0	15.7	15.0	15.6	15.3	14.7	15.6
01/10/2020 10:30:00	15.2	16.2	15.7	16.2	15.9	15.6	16.4

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:26		Page 114 of 905

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
01/10/2020 08:00:00	15.7	15.5	14.8
01/10/2020 08:10:00	15.7	15.5	14.8
01/10/2020 08:20:00	15.7	15.5	14.8
01/10/2020 08:30:00	15.7	15.5	14.8
01/10/2020 08:40:00	15.7	15.5	14.8
01/10/2020 08:50:00	15.7	15.5	14.8
01/10/2020 09:00:00	15.6	15.5	14.8
01/10/2020 09:10:00	15.6	15.5	14.7
01/10/2020 09:20:00	15.6	15.4	14.7
01/10/2020 09:30:00	15.6	15.4	14.7
01/10/2020 09:40:00	15.6	15.5	14.7
01/10/2020 09:50:00	15.6	15.5	14.7
01/10/2020 10:00:00	15.6	15.5	14.7
01/10/2020 10:10:00	15.6	15.5	14.7
01/10/2020 10:20:00	15.8	15.6	15.0
01/10/2020 10:30:00	16.5	16.3	15.8

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
01/10/2020 10:40:00	22	14.2	121.0	35.0	-0.12	121.00	17.0
01/10/2020 10:50:00	23	14.6	121.0	35.0	-0.12	121.00	17.7
01/10/2020 11:00:00	26	19.0	121.0	35.0	-0.02	121.00	18.2
01/10/2020 11:10:00	26	18.3	121.0	35.0	-0.02	121.00	18.6
01/10/2020 11:20:00	48	18.4	121.0	35.0	0.05	121.00	19.1
01/10/2020 11:30:00	86	19.1	121.0	35.0	-0.01	121.00	19.8
01/10/2020 11:40:00	100	19.6	121.0	35.0	0.15	121.00	99.6
01/10/2020 11:50:00	102	19.6	121.0	35.0	0.24	121.00	55.5
01/10/2020 12:00:00	100	19.3	121.0	35.0	0.18	121.00	35.7
01/10/2020 12:10:00	99	19.0	121.0	35.0	0.13	121.00	29.2
01/10/2020 12:20:00	105	128.4	121.0	35.0	0.39	121.00	104.7
01/10/2020 12:30:00	105	128.8	121.0	35.0	0.40	121.00	104.8
01/10/2020 12:40:00	79	78.5	121.0	35.0	1.50	121.00	52.0
01/10/2020 12:50:00	58	52.0	121.0	35.0	1.50	121.00	36.1
01/10/2020 13:00:00	46	36.1	121.0	35.0	1.50	121.00	30.0
01/10/2020 13:10:00	43	27.9	121.0	35.0	1.50	121.00	26.8

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 10:40:00	16.2	16.8	16.4	16.8	16.6	16.4	17.4
01/10/2020 10:50:00	17.2	17.5	17.2	17.6	17.3	17.2	18.4
01/10/2020 11:00:00	17.9	18.1	17.7	18.1	17.8	17.7	18.8
01/10/2020 11:10:00	18.7	18.7	18.0	18.5	18.2	17.9	19.3
01/10/2020 11:20:00	19.1	19.2	18.3	19.3	18.5	18.0	18.8
01/10/2020 11:30:00	19.2	20.0	18.8	20.7	18.9	18.3	19.8
01/10/2020 11:40:00	19.5	98.5	98.5	99.5	97.9	98.1	98.7
01/10/2020 11:50:00	20.6	55.0	52.5	55.9	56.5	48.5	48.4
01/10/2020 12:00:00	20.4	35.6	34.2	37.6	36.4	31.3	29.6
01/10/2020 12:10:00	20.2	29.4	28.8	30.7	28.9	25.8	24.7
01/10/2020 12:20:00	127.3	104.3	103.9	104.6	104.2	103.6	103.7
01/10/2020 12:30:00	127.7	104.4	104.0	104.8	104.4	103.9	103.9
01/10/2020 12:40:00	47.2	50.6	48.9	52.8	54.9	46.4	44.7
01/10/2020 12:50:00	29.3	34.0	35.4	38.4	38.5	32.5	30.9
01/10/2020 13:00:00	24.1	28.6	29.7	31.4	31.4	27.1	26.1
01/10/2020 13:10:00	21.6	25.8	26.7	27.7	27.4	24.4	23.8

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
01/10/2020 10:40:00	17.4	17.1	16.6
01/10/2020 10:50:00	18.4	18.0	17.5
01/10/2020 11:00:00	18.8	18.4	18.0
01/10/2020 11:10:00	19.2	125.2	125.4
01/10/2020 11:20:00	19.5	45.5	41.3
01/10/2020 11:30:00	19.9	30.2	30.7
01/10/2020 11:40:00	99.9	26.0	26.4
01/10/2020 11:50:00	50.5	24.8	24.0
01/10/2020 12:00:00	30.8	23.8	23.0
01/10/2020 12:10:00	25.5	23.0	22.3
01/10/2020 12:20:00	104.8	23.7	22.3
01/10/2020 12:30:00	104.9	24.5	22.7
01/10/2020 12:40:00	45.3	24.1	22.7
01/10/2020 12:50:00	31.4	23.0	22.4
01/10/2020 13:00:00	26.5	22.3	22.0
01/10/2020 13:10:00	24.2	21.8	21.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
01/10/2020 13:20:00	42	23.5	121.0	35.0	1.50	121.00	24.8
01/10/2020 13:30:00	41	21.0	121.0	35.0	1.50	121.00	23.5
01/10/2020 13:40:00	41	19.5	121.0	35.0	1.50	121.00	22.6
01/10/2020 13:50:00	41	18.9	121.0	35.0	1.50	121.00	22.0
01/10/2020 14:00:00	40	18.4	121.0	35.0	1.50	121.00	21.6
01/10/2020 14:10:00	48	18.2	121.0	35.0	0.10	121.00	21.2
01/10/2020 14:20:00	86	19.2	121.0	35.0	0.05	121.00	21.4
01/10/2020 14:30:00	100	19.9	121.0	35.0	0.21	121.00	100.5
01/10/2020 14:40:00	108	19.9	121.0	35.0	0.54	121.00	108.2
01/10/2020 14:50:00	112	19.8	121.0	35.0	0.74	121.00	112.0
01/10/2020 15:00:00	114	19.9	121.0	35.0	0.83	121.00	113.6
01/10/2020 15:10:00	114	118.9	121.0	35.0	0.83	121.00	101.3
01/10/2020 15:20:00	112	69.1	121.0	35.0	0.71	121.00	51.2
01/10/2020 15:30:00	109	49.0	121.0	35.0	0.58	121.00	108.6
01/10/2020 15:40:00	108	36.7	121.0	35.0	0.51	121.00	64.4
01/10/2020 15:50:00	106	90.3	121.0	35.0	1.76	121.00	87.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 13:20:00	20.5	24.1	24.8	25.6	25.0	22.7	22.6
01/10/2020 13:30:00	19.9	23.0	23.5	24.3	23.6	21.7	21.9
01/10/2020 13:40:00	19.5	22.2	22.7	23.3	22.5	21.0	21.4
01/10/2020 13:50:00	19.4	21.6	22.1	22.6	21.7	20.4	20.9
01/10/2020 14:00:00	19.3	21.1	21.7	22.1	21.2	19.9	20.7
01/10/2020 14:10:00	19.3	20.8	21.4	21.7	20.7	19.7	22.8
01/10/2020 14:20:00	20.4	21.1	21.2	22.0	20.7	19.8	21.1
01/10/2020 14:30:00	21.4	99.9	99.5	100.5	99.9	99.2	99.5
01/10/2020 14:40:00	22.5	107.5	107.2	108.2	107.6	107.1	107.1
01/10/2020 14:50:00	22.9	111.3	111.0	111.9	111.3	110.9	110.9
01/10/2020 15:00:00	23.3	112.9	112.6	113.5	113.0	112.6	112.6
01/10/2020 15:10:00	115.9	105.7	105.4	106.6	104.1	104.8	100.8
01/10/2020 15:20:00	44.6	50.8	49.1	50.0	52.7	47.0	42.6
01/10/2020 15:30:00	30.0	108.2	107.8	108.5	108.1	107.6	107.8
01/10/2020 15:40:00	25.1	62.7	61.2	62.2	63.7	56.2	55.9
01/10/2020 15:50:00	89.2	85.5	84.7	87.2	87.6	81.2	87.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
01/10/2020 13:20:00	22.9	21.3	21.4
01/10/2020 13:30:00	22.0	21.1	21.1
01/10/2020 13:40:00	21.5	20.8	20.8
01/10/2020 13:50:00	21.1	20.6	20.5
01/10/2020 14:00:00	20.8	20.5	20.3
01/10/2020 14:10:00	23.2	20.3	20.1
01/10/2020 14:20:00	21.5	21.0	20.0
01/10/2020 14:30:00	100.6	100.5	20.2
01/10/2020 14:40:00	108.1	108.2	20.5
01/10/2020 14:50:00	112.0	112.0	20.7
01/10/2020 15:00:00	113.6	113.6	21.0
01/10/2020 15:10:00	103.6	54.3	21.6
01/10/2020 15:20:00	46.7	35.5	22.2
01/10/2020 15:30:00	108.7	108.5	22.1
01/10/2020 15:40:00	58.3	51.8	22.2
01/10/2020 15:50:00	85.4	66.5	22.2

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
01/10/2020 16:00:00	72	54.2	121.0	35.0	1.46	121.00	44.2
01/10/2020 16:10:00	65	36.1	121.0	35.0	1.34	121.00	33.4
01/10/2020 16:20:00	64	34.2	121.0	35.0	1.28	121.00	30.8
01/10/2020 16:30:00	57	31.9	121.0	35.0	-0.02	121.00	29.1
01/10/2020 16:40:00	51	31.3	121.0	35.0	-0.05	121.00	28.2
01/10/2020 16:50:00	49	30.1	121.0	35.0	-0.07	121.00	27.4
01/10/2020 17:00:00	48	28.9	121.0	35.0	-0.09	121.00	26.9
01/10/2020 17:10:00	48	28.0	121.0	35.0	-0.11	121.00	26.6
01/10/2020 17:20:00	48	27.4	121.0	35.0	-0.11	121.00	26.4
01/10/2020 17:30:00	47	26.9	121.0	35.0	-0.12	121.00	26.3
01/10/2020 17:40:00	47	26.5	121.0	35.0	-0.13	121.00	26.2
01/10/2020 17:50:00	47	26.2	121.0	35.0	-0.14	121.00	26.2
01/10/2020 18:00:00	47	26.0	121.0	35.0	-0.14	121.00	26.2
01/10/2020 18:10:00	46	25.8	121.0	35.0	-0.15	121.00	26.2
01/10/2020 18:20:00	46	25.6	121.0	35.0	-0.15	121.00	26.2
01/10/2020 18:30:00	46	25.4	121.0	35.0	-0.15	121.00	26.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 16:00:00	31.1	42.5	42.7	46.6	46.3	39.1	41.9
01/10/2020 16:10:00	23.7	32.8	33.9	35.7	35.3	30.5	30.6
01/10/2020 16:20:00	23.4	30.2	31.2	32.2	31.9	29.1	28.0
01/10/2020 16:30:00	23.3	28.6	29.3	30.1	30.0	28.2	27.0
01/10/2020 16:40:00	23.2	27.6	28.2	28.7	29.0	27.5	26.9
01/10/2020 16:50:00	23.1	26.9	27.4	27.9	28.4	27.0	26.8
01/10/2020 17:00:00	23.1	26.5	26.9	27.3	28.0	26.7	26.9
01/10/2020 17:10:00	23.2	26.2	26.6	26.9	27.7	26.3	26.9
01/10/2020 17:20:00	23.4	26.1	26.4	26.6	27.6	26.2	26.9
01/10/2020 17:30:00	23.5	26.0	26.3	26.5	27.5	26.1	27.0
01/10/2020 17:40:00	23.7	26.0	26.3	26.4	27.4	26.1	27.0
01/10/2020 17:50:00	23.9	26.0	26.2	26.4	27.3	26.2	27.1
01/10/2020 18:00:00	24.0	26.0	26.1	26.5	27.2	26.3	27.1
01/10/2020 18:10:00	24.1	26.0	26.1	26.5	27.2	26.4	27.2
01/10/2020 18:20:00	24.1	26.1	26.2	26.6	27.1	26.5	27.2
01/10/2020 18:30:00	24.0	26.1	26.3	26.6	27.0	26.5	27.3

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Print Date & Time: -12/10/2020 21:40:26		Page 123 of 905

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
01/10/2020 16:00:00	42.4	33.9	22.3
01/10/2020 16:10:00	31.5	27.2	22.2
01/10/2020 16:20:00	28.8	26.1	22.8
01/10/2020 16:30:00	27.7	25.8	23.3
01/10/2020 16:40:00	27.4	25.4	24.0
01/10/2020 16:50:00	27.3	25.3	24.5
01/10/2020 17:00:00	27.3	25.2	24.8
01/10/2020 17:10:00	27.3	25.2	25.1
01/10/2020 17:20:00	27.3	25.3	25.4
01/10/2020 17:30:00	27.3	25.4	25.6
01/10/2020 17:40:00	27.3	25.5	25.8
01/10/2020 17:50:00	27.4	25.7	25.9
01/10/2020 18:00:00	27.4	25.8	26.1
01/10/2020 18:10:00	27.5	25.9	26.2
01/10/2020 18:20:00	27.5	26.1	26.4
01/10/2020 18:30:00	27.6	26.3	26.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
01/10/2020 18:40:00	46	25.3	121.0	35.0	-0.15	121.00	26.3
01/10/2020 18:50:00	45	25.2	121.0	35.0	-0.16	121.00	26.4
01/10/2020 19:00:00	45	25.1	121.0	35.0	-0.16	121.00	26.4
01/10/2020 19:10:00	45	25.0	121.0	35.0	-0.16	121.00	26.5
01/10/2020 19:20:00	45	25.0	121.0	35.0	-0.16	121.00	26.5
01/10/2020 19:30:00	45	24.9	121.0	35.0	-0.16	121.00	26.6
01/10/2020 19:40:00	44	24.9	121.0	35.0	-0.17	121.00	26.6
01/10/2020 19:50:00	44	24.9	121.0	35.0	-0.17	121.00	26.7
01/10/2020 20:00:00	44	24.9	121.0	35.0	-0.17	121.00	26.7
01/10/2020 20:10:00	44	24.8	121.0	35.0	-0.17	121.00	26.8
01/10/2020 20:20:00	44	24.8	121.0	35.0	-0.17	121.00	26.8
01/10/2020 20:30:00	43	24.8	121.0	35.0	-0.17	121.00	26.8
01/10/2020 20:40:00	43	24.9	121.0	35.0	-0.17	121.00	26.9
01/10/2020 20:50:00	43	24.9	121.0	35.0	-0.17	121.00	26.9
01/10/2020 21:00:00	43	24.9	121.0	35.0	-0.17	121.00	27.0
01/10/2020 21:10:00	43	24.9	121.0	35.0	-0.17	121.00	27.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 18:40:00	24.0	26.1	26.3	26.7	27.0	26.5	27.4
01/10/2020 18:50:00	24.0	26.2	26.4	26.7	27.0	26.5	27.4
01/10/2020 19:00:00	24.0	26.2	26.4	26.8	27.1	26.5	27.4
01/10/2020 19:10:00	24.1	26.2	26.5	26.9	27.1	26.6	27.5
01/10/2020 19:20:00	24.1	26.3	26.5	26.9	27.1	26.6	27.5
01/10/2020 19:30:00	24.1	26.3	26.6	27.0	27.1	26.7	27.6
01/10/2020 19:40:00	24.2	26.4	26.6	27.0	27.2	26.7	27.6
01/10/2020 19:50:00	24.2	26.4	26.6	27.1	27.1	26.8	27.7
01/10/2020 20:00:00	24.3	26.5	26.7	27.1	27.2	26.8	27.7
01/10/2020 20:10:00	24.3	26.5	26.7	27.2	27.2	26.8	27.7
01/10/2020 20:20:00	24.4	26.5	26.8	27.2	27.2	26.9	27.7
01/10/2020 20:30:00	24.5	26.6	26.8	27.2	27.2	26.9	27.8
01/10/2020 20:40:00	24.5	26.6	26.8	27.3	27.2	26.9	27.8
01/10/2020 20:50:00	24.6	26.7	26.9	27.3	27.3	27.0	27.8
01/10/2020 21:00:00	24.6	26.7	26.9	27.3	27.3	27.0	27.9
01/10/2020 21:10:00	24.7	26.7	26.9	27.4	27.3	27.0	27.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
01/10/2020 18:40:00	27.6	26.4	26.6
01/10/2020 18:50:00	27.7	26.5	26.7
01/10/2020 19:00:00	27.7	26.6	26.8
01/10/2020 19:10:00	27.7	26.7	26.8
01/10/2020 19:20:00	27.8	26.7	26.9
01/10/2020 19:30:00	27.8	26.8	26.9
01/10/2020 19:40:00	27.8	26.9	27.0
01/10/2020 19:50:00	27.9	26.9	27.1
01/10/2020 20:00:00	27.9	27.0	27.1
01/10/2020 20:10:00	27.9	27.0	27.2
01/10/2020 20:20:00	28.0	27.1	27.2
01/10/2020 20:30:00	28.0	27.1	27.2
01/10/2020 20:40:00	28.0	27.2	27.3
01/10/2020 20:50:00	28.0	27.2	27.3
01/10/2020 21:00:00	28.1	27.2	27.4
01/10/2020 21:10:00	28.1	27.3	27.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
01/10/2020 21:20:00	43	24.9	121.0	35.0	-0.17	121.00	27.0
01/10/2020 21:30:00	42	24.9	121.0	35.0	-0.17	121.00	27.1
01/10/2020 21:40:00	42	24.9	121.0	35.0	-0.17	121.00	27.1
01/10/2020 21:50:00	42	25.0	121.0	35.0	-0.17	121.00	27.1
01/10/2020 22:00:00	42	25.0	121.0	35.0	-0.17	121.00	27.2
01/10/2020 22:10:00	42	25.0	121.0	35.0	-0.17	121.00	27.2
01/10/2020 22:20:00	42	25.0	121.0	35.0	-0.17	121.00	27.2
01/10/2020 22:30:00	41	25.0	121.0	35.0	-0.17	121.00	27.3
01/10/2020 22:40:00	41	25.1	121.0	35.0	-0.17	121.00	27.3
01/10/2020 22:50:00	41	25.1	121.0	35.0	-0.17	121.00	27.3
01/10/2020 23:00:00	41	25.1	121.0	35.0	-0.17	121.00	27.3
01/10/2020 23:10:00	41	25.1	121.0	35.0	-0.17	121.00	27.3
01/10/2020 23:20:00	41	25.2	121.0	35.0	-0.17	121.00	27.4
01/10/2020 23:30:00	41	25.2	121.0	35.0	-0.17	121.00	27.4
01/10/2020 23:40:00	41	25.2	121.0	35.0	-0.17	121.00	27.4
01/10/2020 23:50:00	40	25.2	121.0	35.0	-0.16	121.00	27.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 21:20:00	24.7	26.8	27.0	27.4	27.3	27.1	27.9
01/10/2020 21:30:00	24.7	26.8	27.0	27.4	27.4	27.1	28.0
01/10/2020 21:40:00	24.8	26.8	27.0	27.4	27.4	27.2	28.0
01/10/2020 21:50:00	24.9	26.9	27.1	27.4	27.4	27.2	28.0
01/10/2020 22:00:00	24.9	26.9	27.1	27.5	27.4	27.2	28.0
01/10/2020 22:10:00	24.9	26.9	27.1	27.5	27.5	27.3	28.0
01/10/2020 22:20:00	24.9	27.0	27.2	27.5	27.5	27.3	28.1
01/10/2020 22:30:00	24.9	27.0	27.2	27.5	27.5	27.3	28.1
01/10/2020 22:40:00	24.9	27.0	27.2	27.5	27.5	27.3	28.1
01/10/2020 22:50:00	24.9	27.1	27.2	27.6	27.5	27.4	28.1
01/10/2020 23:00:00	24.9	27.1	27.3	27.6	27.6	27.4	28.2
01/10/2020 23:10:00	24.9	27.1	27.3	27.6	27.6	27.4	28.2
01/10/2020 23:20:00	25.0	27.1	27.3	27.6	27.6	27.4	28.2
01/10/2020 23:30:00	25.1	27.2	27.3	27.6	27.6	27.5	28.2
01/10/2020 23:40:00	25.2	27.2	27.4	27.6	27.6	27.5	28.3
01/10/2020 23:50:00	25.2	27.2	27.4	27.7	27.7	27.5	28.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
01/10/2020 21:20:00	28.1	27.3	27.4
01/10/2020 21:30:00	28.2	27.3	27.5
01/10/2020 21:40:00	28.2	27.4	27.5
01/10/2020 21:50:00	28.2	27.4	27.6
01/10/2020 22:00:00	28.2	27.4	27.6
01/10/2020 22:10:00	28.3	27.5	27.6
01/10/2020 22:20:00	28.3	27.5	27.7
01/10/2020 22:30:00	28.3	27.5	27.7
01/10/2020 22:40:00	28.3	27.5	27.7
01/10/2020 22:50:00	28.3	27.6	27.7
01/10/2020 23:00:00	28.4	27.6	27.8
01/10/2020 23:10:00	28.4	27.6	27.8
01/10/2020 23:20:00	28.4	27.6	27.8
01/10/2020 23:30:00	28.4	27.7	27.8
01/10/2020 23:40:00	28.5	27.7	27.9
01/10/2020 23:50:00	28.5	27.7	27.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
02/10/2020 00:00:00	40	25.2	121.0	35.0	-0.16	121.00	27.4
02/10/2020 00:10:00	40	25.3	121.0	35.0	-0.16	121.00	27.5
02/10/2020 00:20:00	40	25.3	121.0	35.0	-0.16	121.00	27.5
02/10/2020 00:30:00	40	25.3	121.0	35.0	-0.16	121.00	27.5
02/10/2020 00:40:00	40	25.3	121.0	35.0	-0.16	121.00	27.5
02/10/2020 00:50:00	40	25.4	121.0	35.0	-0.16	121.00	27.6
02/10/2020 01:00:00	40	25.4	121.0	35.0	-0.16	121.00	27.6
02/10/2020 01:10:00	40	25.4	121.0	35.0	-0.16	121.00	27.6
02/10/2020 01:20:00	39	25.4	121.0	35.0	-0.16	121.00	27.6
02/10/2020 01:30:00	39	25.4	121.0	35.0	-0.16	121.00	27.6
02/10/2020 01:40:00	39	25.5	121.0	35.0	-0.16	121.00	27.6
02/10/2020 01:50:00	39	25.5	121.0	35.0	-0.16	121.00	27.6
02/10/2020 02:00:00	39	25.5	121.0	35.0	-0.16	121.00	27.7
02/10/2020 02:10:00	39	25.5	121.0	35.0	-0.16	121.00	27.7
02/10/2020 02:20:00	39	25.5	121.0	35.0	-0.16	121.00	27.7
02/10/2020 02:30:00	39	25.5	121.0	35.0	-0.16	121.00	27.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 00:00:00	25.3	27.2	27.4	27.7	27.7	27.5	28.3
02/10/2020 00:10:00	25.3	27.2	27.4	27.7	27.7	27.5	28.3
02/10/2020 00:20:00	25.4	27.3	27.5	27.7	27.7	27.5	28.3
02/10/2020 00:30:00	25.4	27.3	27.5	27.7	27.8	27.5	28.4
02/10/2020 00:40:00	25.5	27.3	27.5	27.7	27.8	27.5	28.4
02/10/2020 00:50:00	25.5	27.3	27.5	27.8	27.8	27.6	28.4
02/10/2020 01:00:00	25.5	27.3	27.5	27.8	27.8	27.6	28.4
02/10/2020 01:10:00	25.5	27.3	27.5	27.8	27.8	27.6	28.4
02/10/2020 01:20:00	25.5	27.4	27.5	27.8	27.8	27.6	28.4
02/10/2020 01:30:00	25.5	27.4	27.6	27.8	27.8	27.6	28.4
02/10/2020 01:40:00	25.6	27.4	27.6	27.8	27.8	27.6	28.4
02/10/2020 01:50:00	25.6	27.4	27.6	27.8	27.8	27.6	28.4
02/10/2020 02:00:00	25.6	27.4	27.6	27.8	27.8	27.7	28.5
02/10/2020 02:10:00	25.6	27.4	27.6	27.8	27.8	27.7	28.5
02/10/2020 02:20:00	25.6	27.4	27.6	27.8	27.9	27.7	28.5
02/10/2020 02:30:00	25.6	27.4	27.6	27.9	27.9	27.7	28.5

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>EMPTY VESSEL STERILIZATION (ESIP)</b>			
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
02/10/2020 00:00:00	28.5	27.8	27.9
02/10/2020 00:10:00	28.5	27.8	27.9
02/10/2020 00:20:00	28.5	27.8	28.0
02/10/2020 00:30:00	28.5	27.8	28.0
02/10/2020 00:40:00	28.6	27.8	28.0
02/10/2020 00:50:00	28.6	27.9	28.0
02/10/2020 01:00:00	28.6	27.9	28.0
02/10/2020 01:10:00	28.6	27.9	28.0
02/10/2020 01:20:00	28.6	27.9	28.0
02/10/2020 01:30:00	28.6	27.9	28.1
02/10/2020 01:40:00	28.6	27.9	28.1
02/10/2020 01:50:00	28.6	27.9	28.1
02/10/2020 02:00:00	28.6	27.9	28.1
02/10/2020 02:10:00	28.6	28.0	28.1
02/10/2020 02:20:00	28.6	28.0	28.1
02/10/2020 02:30:00	28.7	28.0	28.1

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**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
02/10/2020 02:40:00	39	25.6	121.0	35.0	-0.15	121.00	27.7
02/10/2020 02:50:00	39	25.6	121.0	35.0	-0.15	121.00	27.7
02/10/2020 03:00:00	38	25.6	121.0	35.0	-0.15	121.00	27.7
02/10/2020 03:10:00	38	25.6	121.0	35.0	-0.15	121.00	27.8
02/10/2020 03:20:00	38	25.6	121.0	35.0	-0.15	121.00	27.8
02/10/2020 03:30:00	38	25.6	121.0	35.0	-0.15	121.00	27.8
02/10/2020 03:40:00	38	25.6	121.0	35.0	-0.15	121.00	27.8
02/10/2020 03:50:00	38	25.7	121.0	35.0	-0.15	121.00	27.8
02/10/2020 04:00:00	38	25.7	121.0	35.0	-0.15	121.00	27.8
02/10/2020 04:10:00	38	25.7	121.0	35.0	-0.15	121.00	27.8
02/10/2020 04:20:00	38	25.7	121.0	35.0	-0.15	121.00	27.8
02/10/2020 04:30:00	38	25.7	121.0	35.0	-0.15	121.00	27.8
02/10/2020 04:40:00	38	25.7	121.0	35.0	-0.15	121.00	27.8
02/10/2020 04:50:00	38	25.7	121.0	35.0	-0.15	121.00	27.8
02/10/2020 05:00:00	37	25.7	121.0	35.0	-0.15	121.00	27.8
02/10/2020 05:10:00	37	25.7	121.0	35.0	-0.15	121.00	27.8

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 02:40:00	25.6	27.5	27.6	27.9	27.9	27.7	28.5
02/10/2020 02:50:00	25.6	27.5	27.6	27.9	27.9	27.7	28.5
02/10/2020 03:00:00	25.7	27.5	27.6	27.9	27.9	27.7	28.5
02/10/2020 03:10:00	25.7	27.5	27.6	27.9	27.9	27.7	28.5
02/10/2020 03:20:00	25.7	27.5	27.6	27.9	27.9	27.7	28.5
02/10/2020 03:30:00	25.7	27.5	27.6	27.9	27.9	27.8	28.5
02/10/2020 03:40:00	25.7	27.5	27.6	27.9	28.0	27.7	28.5
02/10/2020 03:50:00	25.7	27.5	27.6	27.9	27.9	27.8	28.5
02/10/2020 04:00:00	25.7	27.5	27.7	27.9	28.0	27.8	28.5
02/10/2020 04:10:00	25.7	27.5	27.7	27.9	28.0	27.8	28.5
02/10/2020 04:20:00	25.7	27.5	27.7	27.9	28.0	27.8	28.5
02/10/2020 04:30:00	25.8	27.6	27.7	27.9	28.0	27.8	28.5
02/10/2020 04:40:00	25.8	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 04:50:00	25.8	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 05:00:00	25.8	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 05:10:00	25.8	27.6	27.6	28.0	28.0	27.8	28.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
02/10/2020 02:40:00	28.7	28.0	28.1
02/10/2020 02:50:00	28.7	28.0	28.2
02/10/2020 03:00:00	28.7	28.0	28.2
02/10/2020 03:10:00	28.7	28.0	28.2
02/10/2020 03:20:00	28.7	28.0	28.2
02/10/2020 03:30:00	28.7	28.0	28.2
02/10/2020 03:40:00	28.7	28.0	28.2
02/10/2020 03:50:00	28.7	28.1	28.2
02/10/2020 04:00:00	28.7	28.1	28.2
02/10/2020 04:10:00	28.7	28.1	28.2
02/10/2020 04:20:00	28.7	28.1	28.2
02/10/2020 04:30:00	28.7	28.1	28.2
02/10/2020 04:40:00	28.7	28.1	28.2
02/10/2020 04:50:00	28.7	28.1	28.2
02/10/2020 05:00:00	28.7	28.1	28.2
02/10/2020 05:10:00	28.7	28.1	28.2

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:27		Page 136 of 905



**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
02/10/2020 05:20:00	37	25.8	121.0	35.0	-0.15	121.00	27.8
02/10/2020 05:30:00	37	25.8	121.0	35.0	-0.15	121.00	27.8
02/10/2020 05:40:00	37	25.8	121.0	35.0	-0.15	121.00	27.8
02/10/2020 05:50:00	37	25.8	121.0	35.0	-0.15	121.00	27.8
02/10/2020 06:00:00	37	25.8	121.0	35.0	-0.15	121.00	27.9
02/10/2020 06:10:00	37	25.8	121.0	35.0	-0.15	121.00	27.9
02/10/2020 06:20:00	37	25.8	121.0	35.0	-0.15	121.00	27.8
02/10/2020 06:30:00	37	25.8	121.0	35.0	-0.15	121.00	27.9
02/10/2020 06:40:00	37	25.8	121.0	35.0	-0.15	121.00	27.8
02/10/2020 06:50:00	37	25.8	121.0	35.0	-0.15	121.00	27.9
02/10/2020 07:00:00	37	25.8	121.0	35.0	-0.14	121.00	27.9
02/10/2020 07:10:00	36	25.8	121.0	35.0	-0.14	121.00	27.9
02/10/2020 07:20:00	36	25.8	121.0	35.0	-0.14	121.00	27.8
02/10/2020 07:30:00	36	25.8	121.0	35.0	-0.14	121.00	27.8
02/10/2020 07:40:00	36	25.8	121.0	35.0	-0.14	121.00	27.8
02/10/2020 07:50:00	36	25.7	121.0	35.0	-0.14	121.00	27.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 05:20:00	25.8	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 05:30:00	25.8	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 05:40:00	25.8	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 05:50:00	25.8	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 06:00:00	25.8	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 06:10:00	25.8	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 06:20:00	25.8	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 06:30:00	25.8	27.6	27.6	28.0	28.0	27.8	28.5
02/10/2020 06:40:00	25.8	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 06:50:00	25.8	27.6	27.7	28.0	28.1	27.8	28.5
02/10/2020 07:00:00	25.8	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 07:10:00	25.8	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 07:20:00	25.8	27.6	27.6	28.0	28.0	27.8	28.5
02/10/2020 07:30:00	25.8	27.6	27.6	28.0	27.9	27.8	28.5
02/10/2020 07:40:00	25.7	27.6	27.6	28.0	27.9	27.7	28.5
02/10/2020 07:50:00	25.7	27.5	27.5	27.9	27.9	27.7	28.4

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**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
02/10/2020 05:20:00	28.7	28.1	28.2
02/10/2020 05:30:00	28.7	28.1	28.3
02/10/2020 05:40:00	28.7	28.1	28.3
02/10/2020 05:50:00	28.7	28.1	28.3
02/10/2020 06:00:00	28.7	28.1	28.2
02/10/2020 06:10:00	28.7	28.1	28.3
02/10/2020 06:20:00	28.7	28.1	28.3
02/10/2020 06:30:00	28.7	28.1	28.3
02/10/2020 06:40:00	28.7	28.1	28.3
02/10/2020 06:50:00	28.7	28.1	28.3
02/10/2020 07:00:00	28.7	28.1	28.3
02/10/2020 07:10:00	28.7	28.1	28.3
02/10/2020 07:20:00	28.7	28.1	28.3
02/10/2020 07:30:00	28.7	28.0	28.2
02/10/2020 07:40:00	28.6	28.0	28.2
02/10/2020 07:50:00	28.6	28.0	28.2

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
02/10/2020 08:00:00	36	25.7	121.0	35.0	-0.14	121.00	27.7
02/10/2020 08:10:00	36	25.7	121.0	35.0	-0.14	121.00	27.6
02/10/2020 08:20:00	36	25.6	121.0	35.0	-0.14	121.00	27.6
02/10/2020 08:30:00	36	25.6	121.0	35.0	-0.14	121.00	27.6
02/10/2020 08:40:00	36	25.6	121.0	35.0	-0.14	121.00	27.5
02/10/2020 08:50:00	36	25.6	121.0	35.0	-0.14	121.00	27.5
02/10/2020 09:00:00	36	25.6	121.0	35.0	-0.14	121.00	27.4
02/10/2020 09:10:00	36	25.5	121.0	35.0	-0.14	121.00	27.4
02/10/2020 09:20:00	36	25.5	121.0	35.0	-0.14	121.00	27.4
02/10/2020 09:30:00	36	25.5	121.0	35.0	-0.14	121.00	27.3
02/10/2020 09:40:00	35	25.5	121.0	35.0	-0.14	121.00	27.3
02/10/2020 09:50:00	35	25.5	121.0	35.0	-0.14	121.00	27.3
02/10/2020 10:00:00	35	25.5	121.0	35.0	-0.14	121.00	27.3
02/10/2020 10:10:00	35	25.5	121.0	35.0	-0.14	121.00	27.3
02/10/2020 10:20:00	35	25.5	121.0	35.0	-0.14	121.00	27.2
02/10/2020 10:30:00	35	25.5	121.0	35.0	-0.14	121.00	27.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 08:00:00	25.7	27.5	27.5	27.9	27.8	27.7	28.4
02/10/2020 08:10:00	25.7	27.5	27.4	27.9	27.8	27.6	28.3
02/10/2020 08:20:00	25.7	27.4	27.4	27.9	27.8	27.6	28.2
02/10/2020 08:30:00	25.6	27.4	27.4	27.8	27.8	27.6	28.1
02/10/2020 08:40:00	25.6	27.3	27.3	27.8	27.7	27.5	28.1
02/10/2020 08:50:00	25.6	27.3	27.3	27.8	27.7	27.5	28.0
02/10/2020 09:00:00	25.6	27.3	27.2	27.7	27.7	27.5	28.0
02/10/2020 09:10:00	25.6	27.2	27.2	27.7	27.7	27.5	27.9
02/10/2020 09:20:00	25.6	27.2	27.2	27.7	27.7	27.4	27.9
02/10/2020 09:30:00	25.6	27.2	27.2	27.6	27.6	27.4	27.8
02/10/2020 09:40:00	25.6	27.2	27.1	27.6	27.6	27.4	27.8
02/10/2020 09:50:00	25.6	27.2	27.1	27.6	27.6	27.3	27.7
02/10/2020 10:00:00	25.6	27.1	27.1	27.6	27.6	27.3	27.7
02/10/2020 10:10:00	25.6	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 10:20:00	25.6	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 10:30:00	25.6	27.1	27.1	27.5	27.5	27.3	27.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>EMPTY VESSEL STERILIZATION (ESIP)</b>			
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
02/10/2020 08:00:00	28.5	27.9	28.1
02/10/2020 08:10:00	28.4	27.9	28.1
02/10/2020 08:20:00	28.4	27.8	28.0
02/10/2020 08:30:00	28.3	27.8	28.0
02/10/2020 08:40:00	28.3	27.7	28.0
02/10/2020 08:50:00	28.2	27.7	27.9
02/10/2020 09:00:00	28.2	27.6	27.9
02/10/2020 09:10:00	28.1	27.6	27.8
02/10/2020 09:20:00	28.1	27.6	27.8
02/10/2020 09:30:00	28.0	27.5	27.8
02/10/2020 09:40:00	28.0	27.5	27.7
02/10/2020 09:50:00	27.9	27.5	27.7
02/10/2020 10:00:00	27.9	27.5	27.7
02/10/2020 10:10:00	27.9	27.5	27.7
02/10/2020 10:20:00	27.9	27.5	27.7
02/10/2020 10:30:00	27.8	27.4	27.7

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Print Date & Time: -12/10/2020 21:40:27		Page 142 of 905

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
02/10/2020 10:40:00	35	25.5	121.0	35.0	-0.14	121.00	27.2
02/10/2020 10:50:00	35	25.5	121.0	35.0	-0.14	121.00	27.2
02/10/2020 11:00:00	35	25.5	121.0	35.0	-0.14	121.00	27.3
02/10/2020 11:10:00	35	25.5	121.0	35.0	-0.14	121.00	27.2
02/10/2020 11:20:00	35	25.5	121.0	35.0	-0.14	121.00	27.2
02/10/2020 11:30:00	35	25.5	121.0	35.0	-0.14	121.00	27.2
02/10/2020 11:40:00	35	25.5	121.0	35.0	-0.14	121.00	27.2
02/10/2020 11:50:00	35	25.5	121.0	35.0	-0.14	121.00	27.2
02/10/2020 12:00:00	35	25.5	121.0	35.0	-0.14	121.00	27.3
02/10/2020 12:10:00	35	25.5	121.0	35.0	-0.13	121.00	27.2
02/10/2020 12:20:00	35	25.5	121.0	35.0	-0.13	121.00	27.3
02/10/2020 12:30:00	34	25.5	121.0	35.0	-0.13	121.00	27.3
02/10/2020 12:40:00	34	25.5	121.0	35.0	-0.13	121.00	27.3
02/10/2020 12:50:00	34	25.5	121.0	35.0	-0.13	121.00	27.3
02/10/2020 13:00:00	34	25.5	121.0	35.0	-0.13	121.00	27.3
02/10/2020 13:10:00	34	25.5	121.0	35.0	-0.13	121.00	27.3

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:27		Page 143 of 905

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 10:40:00	25.6	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 10:50:00	25.6	27.1	27.1	27.5	27.5	27.3	27.6
02/10/2020 11:00:00	25.6	27.1	27.1	27.5	27.5	27.3	27.6
02/10/2020 11:10:00	25.6	27.1	27.1	27.5	27.5	27.3	27.6
02/10/2020 11:20:00	25.6	27.1	27.1	27.5	27.5	27.3	27.6
02/10/2020 11:30:00	25.6	27.1	27.1	27.5	27.5	27.3	27.6
02/10/2020 11:40:00	25.6	27.1	27.1	27.4	27.5	27.3	27.6
02/10/2020 11:50:00	25.6	27.1	27.1	27.5	27.5	27.3	27.6
02/10/2020 12:00:00	25.6	27.1	27.1	27.5	27.5	27.3	27.6
02/10/2020 12:10:00	25.6	27.1	27.1	27.5	27.5	27.3	27.6
02/10/2020 12:20:00	25.7	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 12:30:00	25.7	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 12:40:00	25.7	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 12:50:00	25.7	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 13:00:00	25.7	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 13:10:00	25.7	27.1	27.1	27.5	27.5	27.3	27.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
02/10/2020 10:40:00	27.8	27.4	27.6
02/10/2020 10:50:00	27.8	27.4	27.6
02/10/2020 11:00:00	27.8	27.4	27.6
02/10/2020 11:10:00	27.8	27.4	27.6
02/10/2020 11:20:00	27.8	27.4	27.6
02/10/2020 11:30:00	27.8	27.4	27.6
02/10/2020 11:40:00	27.8	27.4	27.6
02/10/2020 11:50:00	27.8	27.4	27.7
02/10/2020 12:00:00	27.8	27.5	27.7
02/10/2020 12:10:00	27.8	27.5	27.7
02/10/2020 12:20:00	27.8	27.5	27.7
02/10/2020 12:30:00	27.8	27.5	27.7
02/10/2020 12:40:00	27.9	27.5	27.7
02/10/2020 12:50:00	27.9	27.5	27.7
02/10/2020 13:00:00	27.9	27.5	27.7
02/10/2020 13:10:00	27.9	27.5	27.7

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
02/10/2020 13:20:00	34	25.5	121.0	35.0	-0.13	121.00	27.3
02/10/2020 13:30:00	34	25.5	121.0	35.0	-0.13	121.00	27.3
02/10/2020 13:40:00	34	25.5	121.0	35.0	-0.13	121.00	27.3
02/10/2020 13:50:00	34	25.6	121.0	35.0	-0.13	121.00	27.3
02/10/2020 14:00:00	34	25.6	121.0	35.0	-0.13	121.00	27.3
02/10/2020 14:10:00	34	25.6	121.0	35.0	-0.13	121.00	27.3
02/10/2020 14:20:00	34	25.6	121.0	35.0	-0.13	121.00	27.3
02/10/2020 14:30:00	34	25.6	121.0	35.0	-0.13	121.00	27.4
02/10/2020 14:40:00	34	25.6	121.0	35.0	-0.13	121.00	27.4
02/10/2020 14:50:00	34	25.6	121.0	35.0	-0.13	121.00	27.4
02/10/2020 15:00:00	34	25.6	121.0	35.0	-0.13	121.00	27.4
02/10/2020 15:10:00	34	25.6	121.0	35.0	-0.13	121.00	27.4
02/10/2020 15:20:00	34	25.6	121.0	35.0	-0.13	121.00	27.4
02/10/2020 15:30:00	34	25.6	121.0	35.0	-0.13	121.00	27.4
02/10/2020 15:40:00	34	25.6	121.0	35.0	-0.13	121.00	27.4
02/10/2020 15:50:00	33	25.7	121.0	35.0	-0.13	121.00	27.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 13:20:00	25.7	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 13:30:00	25.7	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 13:40:00	25.7	27.2	27.1	27.5	27.5	27.3	27.7
02/10/2020 13:50:00	25.7	27.2	27.1	27.5	27.5	27.3	27.7
02/10/2020 14:00:00	25.7	27.2	27.1	27.5	27.5	27.4	27.7
02/10/2020 14:10:00	25.8	27.2	27.2	27.5	27.5	27.4	27.8
02/10/2020 14:20:00	25.8	27.2	27.2	27.5	27.5	27.4	27.8
02/10/2020 14:30:00	25.8	27.2	27.2	27.5	27.5	27.4	27.8
02/10/2020 14:40:00	25.8	27.2	27.2	27.5	27.6	27.4	27.8
02/10/2020 14:50:00	25.8	27.2	27.2	27.5	27.6	27.4	27.8
02/10/2020 15:00:00	25.8	27.2	27.2	27.5	27.6	27.4	27.8
02/10/2020 15:10:00	25.8	27.2	27.2	27.5	27.6	27.4	27.8
02/10/2020 15:20:00	25.8	27.2	27.2	27.5	27.6	27.4	27.8
02/10/2020 15:30:00	25.8	27.2	27.2	27.5	27.6	27.4	27.8
02/10/2020 15:40:00	25.8	27.2	27.2	27.6	27.6	27.4	27.9
02/10/2020 15:50:00	25.9	27.3	27.2	27.6	27.6	27.4	27.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>EMPTY VESSEL STERILIZATION (ESIP)</b>			
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
02/10/2020 13:20:00	27.9	27.5	27.7
02/10/2020 13:30:00	27.9	27.5	27.7
02/10/2020 13:40:00	27.9	27.6	27.7
02/10/2020 13:50:00	27.9	27.6	27.7
02/10/2020 14:00:00	27.9	27.6	27.7
02/10/2020 14:10:00	28.0	27.6	27.8
02/10/2020 14:20:00	28.0	27.6	27.8
02/10/2020 14:30:00	28.0	27.6	27.8
02/10/2020 14:40:00	28.0	27.6	27.8
02/10/2020 14:50:00	28.0	27.6	27.8
02/10/2020 15:00:00	28.0	27.6	27.8
02/10/2020 15:10:00	28.0	27.6	27.8
02/10/2020 15:20:00	28.0	27.7	27.8
02/10/2020 15:30:00	28.0	27.7	27.8
02/10/2020 15:40:00	28.0	27.7	27.8
02/10/2020 15:50:00	28.1	27.7	27.8

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**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
02/10/2020 16:00:00	33	25.7	121.0	35.0	-0.13	121.00	27.4
02/10/2020 16:10:00	33	25.7	121.0	35.0	-0.13	121.00	27.4
02/10/2020 16:20:00	33	25.7	121.0	35.0	-0.12	121.00	27.4
02/10/2020 16:30:00	33	25.7	121.0	35.0	-0.12	121.00	27.5
02/10/2020 16:40:00	33	25.7	121.0	35.0	-0.12	121.00	27.5
02/10/2020 16:50:00	33	25.7	121.0	35.0	-0.12	121.00	27.5
02/10/2020 17:00:00	33	25.7	121.0	35.0	-0.12	121.00	27.5
02/10/2020 17:10:00	33	25.7	121.0	35.0	-0.12	121.00	27.5
02/10/2020 17:20:00	33	25.8	121.0	35.0	-0.12	121.00	27.5
02/10/2020 17:30:00	33	25.8	121.0	35.0	-0.12	121.00	27.5
02/10/2020 17:40:00	33	26.1	121.0	35.0	-0.12	121.00	27.5
02/10/2020 17:50:00	33	26.1	121.0	35.0	-0.12	121.00	27.5
02/10/2020 18:00:00	33	26.1	121.0	35.0	-0.12	121.00	27.5
02/10/2020 18:10:00	33	26.1	121.0	35.0	-0.12	121.00	27.5
02/10/2020 18:20:00	33	26.1	121.0	35.0	-0.12	121.00	27.5
02/10/2020 18:30:00	33	26.2	121.0	35.0	-0.12	121.00	27.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 16:00:00	25.9	27.3	27.2	27.6	27.6	27.5	27.9
02/10/2020 16:10:00	25.9	27.3	27.3	27.6	27.6	27.5	27.9
02/10/2020 16:20:00	25.9	27.3	27.3	27.6	27.6	27.5	27.9
02/10/2020 16:30:00	25.9	27.3	27.3	27.6	27.6	27.5	27.9
02/10/2020 16:40:00	25.9	27.3	27.3	27.6	27.6	27.5	27.9
02/10/2020 16:50:00	25.9	27.3	27.3	27.6	27.6	27.5	27.9
02/10/2020 17:00:00	25.9	27.3	27.3	27.6	27.6	27.5	27.9
02/10/2020 17:10:00	25.9	27.3	27.3	27.6	27.7	27.5	27.9
02/10/2020 17:20:00	26.0	27.3	27.3	27.6	27.7	27.5	27.9
02/10/2020 17:30:00	26.0	27.3	27.3	27.6	27.7	27.5	28.0
02/10/2020 17:40:00	26.0	27.3	27.3	27.6	27.7	27.5	28.0
02/10/2020 17:50:00	26.0	27.4	27.3	27.6	27.7	27.5	28.0
02/10/2020 18:00:00	26.0	27.4	27.3	27.6	27.7	27.5	28.0
02/10/2020 18:10:00	26.0	27.4	27.4	27.6	27.7	27.5	28.0
02/10/2020 18:20:00	26.0	27.4	27.4	27.7	27.7	27.5	28.0
02/10/2020 18:30:00	26.0	27.4	27.4	27.7	27.7	27.5	28.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>EMPTY VESSEL STERILIZATION (ESIP)</b>			
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
02/10/2020 16:00:00	28.1	27.7	27.9
02/10/2020 16:10:00	28.1	27.7	27.9
02/10/2020 16:20:00	28.1	27.7	27.9
02/10/2020 16:30:00	28.1	27.7	27.9
02/10/2020 16:40:00	28.1	27.7	27.9
02/10/2020 16:50:00	28.1	27.7	27.9
02/10/2020 17:00:00	28.1	27.7	27.9
02/10/2020 17:10:00	28.1	27.8	27.9
02/10/2020 17:20:00	28.1	27.8	27.9
02/10/2020 17:30:00	28.2	27.8	27.9
02/10/2020 17:40:00	28.2	27.8	27.9
02/10/2020 17:50:00	28.2	27.8	28.0
02/10/2020 18:00:00	28.2	27.8	28.0
02/10/2020 18:10:00	28.2	27.8	28.0
02/10/2020 18:20:00	28.2	27.8	28.0
02/10/2020 18:30:00	28.2	27.8	28.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:27		Page 151 of 905

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
02/10/2020 18:40:00	33	26.2	121.0	35.0	-0.12	121.00	27.6
02/10/2020 18:50:00	33	26.2	121.0	35.0	-0.12	121.00	27.6
02/10/2020 19:00:00	33	26.2	121.0	35.0	-0.12	121.00	27.6
02/10/2020 19:10:00	33	26.2	121.0	35.0	-0.12	121.00	27.6
02/10/2020 19:20:00	33	26.2	121.0	35.0	-0.12	121.00	27.6
02/10/2020 19:30:00	33	26.2	121.0	35.0	-0.12	121.00	27.6
02/10/2020 19:40:00	33	26.2	121.0	35.0	-0.12	121.00	27.6
02/10/2020 19:50:00	33	26.2	121.0	35.0	-0.12	121.00	27.6
02/10/2020 20:00:00	33	26.2	121.0	35.0	-0.12	121.00	27.6
02/10/2020 20:10:00	32	26.2	121.0	35.0	-0.12	121.00	27.6
02/10/2020 20:20:00	32	26.2	121.0	35.0	-0.12	121.00	27.6
02/10/2020 20:30:00	32	26.2	121.0	35.0	-0.12	121.00	27.6
02/10/2020 20:40:00	32	26.2	121.0	35.0	-0.12	121.00	27.6
02/10/2020 20:50:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 21:00:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 21:10:00	32	26.3	121.0	35.0	-0.12	121.00	27.6

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 18:40:00	26.0	27.4	27.4	27.7	27.7	27.5	28.0
02/10/2020 18:50:00	26.0	27.4	27.4	27.7	27.7	27.5	28.0
02/10/2020 19:00:00	26.0	27.4	27.4	27.7	27.7	27.5	28.0
02/10/2020 19:10:00	26.0	27.4	27.4	27.7	27.7	27.5	28.0
02/10/2020 19:20:00	26.1	27.4	27.4	27.7	27.7	27.6	28.0
02/10/2020 19:30:00	26.1	27.4	27.4	27.7	27.7	27.6	28.0
02/10/2020 19:40:00	26.1	27.4	27.4	27.7	27.7	27.6	28.0
02/10/2020 19:50:00	26.1	27.4	27.4	27.7	27.7	27.6	28.0
02/10/2020 20:00:00	26.1	27.4	27.4	27.7	27.7	27.6	28.0
02/10/2020 20:10:00	26.1	27.4	27.4	27.7	27.7	27.6	28.0
02/10/2020 20:20:00	26.1	27.4	27.4	27.7	27.7	27.6	28.0
02/10/2020 20:30:00	26.1	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 20:40:00	26.1	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 20:50:00	26.1	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 21:00:00	26.1	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 21:10:00	26.1	27.5	27.4	27.7	27.7	27.6	28.1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
02/10/2020 18:40:00	28.2	27.8	28.0
02/10/2020 18:50:00	28.2	27.8	28.0
02/10/2020 19:00:00	28.2	27.8	28.0
02/10/2020 19:10:00	28.2	27.8	28.0
02/10/2020 19:20:00	28.2	27.8	28.0
02/10/2020 19:30:00	28.2	27.9	28.0
02/10/2020 19:40:00	28.2	27.9	28.0
02/10/2020 19:50:00	28.2	27.9	28.0
02/10/2020 20:00:00	28.2	27.9	28.0
02/10/2020 20:10:00	28.2	27.9	28.1
02/10/2020 20:20:00	28.2	27.9	28.1
02/10/2020 20:30:00	28.2	27.9	28.1
02/10/2020 20:40:00	28.3	27.9	28.1
02/10/2020 20:50:00	28.3	27.9	28.1
02/10/2020 21:00:00	28.3	27.9	28.1
02/10/2020 21:10:00	28.3	27.9	28.1

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:27		Page 154 of 905

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
02/10/2020 21:20:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 21:30:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 21:40:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 21:50:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 22:00:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 22:10:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 22:20:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 22:30:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 22:40:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 22:50:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 23:00:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 23:10:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 23:20:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 23:30:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 23:40:00	32	26.3	121.0	35.0	-0.12	121.00	27.6
02/10/2020 23:50:00	32	26.3	121.0	35.0	-0.11	121.00	27.6

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:27		Page 155 of 905

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 21:20:00	26.1	27.5	27.4	27.7	27.7	27.6	28.1
02/10/2020 21:30:00	26.1	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 21:40:00	26.1	27.5	27.4	27.7	27.7	27.6	28.1
02/10/2020 21:50:00	26.1	27.5	27.4	27.7	27.7	27.6	28.1
02/10/2020 22:00:00	26.1	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 22:10:00	26.1	27.5	27.4	27.7	27.7	27.6	28.1
02/10/2020 22:20:00	26.2	27.5	27.4	27.7	27.7	27.6	28.1
02/10/2020 22:30:00	26.2	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 22:40:00	26.2	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 22:50:00	26.2	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 23:00:00	26.2	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 23:10:00	26.2	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 23:20:00	26.2	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 23:30:00	26.2	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 23:40:00	26.2	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 23:50:00	26.2	27.5	27.4	27.7	27.7	27.6	28.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
02/10/2020 21:20:00	28.3	27.9	28.1
02/10/2020 21:30:00	28.3	27.9	28.1
02/10/2020 21:40:00	28.3	27.9	28.1
02/10/2020 21:50:00	28.3	27.9	28.1
02/10/2020 22:00:00	28.3	27.9	28.1
02/10/2020 22:10:00	28.3	27.9	28.1
02/10/2020 22:20:00	28.3	27.9	28.1
02/10/2020 22:30:00	28.3	27.9	28.1
02/10/2020 22:40:00	28.2	27.9	28.1
02/10/2020 22:50:00	28.2	27.9	28.1
02/10/2020 23:00:00	28.2	27.9	28.1
02/10/2020 23:10:00	28.2	27.9	28.1
02/10/2020 23:20:00	28.2	27.9	28.1
02/10/2020 23:30:00	28.2	27.9	28.1
02/10/2020 23:40:00	28.2	27.9	28.0
02/10/2020 23:50:00	28.2	27.9	28.1

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
03/10/2020 00:00:00	32	26.3	121.0	35.0	-0.11	121.00	27.6
03/10/2020 00:10:00	32	26.3	121.0	35.0	-0.11	121.00	27.6
03/10/2020 00:20:00	32	26.4	121.0	35.0	-0.11	121.00	27.6
03/10/2020 00:30:00	32	26.3	121.0	35.0	-0.11	121.00	27.6
03/10/2020 00:40:00	32	26.3	121.0	35.0	-0.11	121.00	27.6
03/10/2020 00:50:00	32	26.4	121.0	35.0	-0.11	121.00	27.6
03/10/2020 01:00:00	32	26.4	121.0	35.0	-0.11	121.00	27.6
03/10/2020 01:10:00	32	26.3	121.0	35.0	-0.11	121.00	27.6
03/10/2020 01:20:00	32	26.4	121.0	35.0	-0.11	121.00	27.6
03/10/2020 01:30:00	32	26.3	121.0	35.0	-0.11	121.00	27.6
03/10/2020 01:40:00	31	26.4	121.0	35.0	-0.11	121.00	27.6
03/10/2020 01:50:00	31	26.4	121.0	35.0	-0.11	121.00	27.6
03/10/2020 02:00:00	31	26.3	121.0	35.0	-0.11	121.00	27.6
03/10/2020 02:10:00	31	26.3	121.0	35.0	-0.11	121.00	27.6
03/10/2020 02:20:00	31	26.3	121.0	35.0	-0.11	121.00	27.5
03/10/2020 02:30:00	31	26.3	121.0	35.0	-0.11	121.00	27.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 00:00:00	26.2	27.5	27.4	27.7	27.7	27.6	28.0
03/10/2020 00:10:00	26.2	27.5	27.4	27.7	27.7	27.6	28.0
03/10/2020 00:20:00	26.2	27.4	27.4	27.7	27.7	27.6	28.0
03/10/2020 00:30:00	26.2	27.5	27.4	27.6	27.7	27.6	28.0
03/10/2020 00:40:00	26.2	27.4	27.4	27.7	27.7	27.6	28.0
03/10/2020 00:50:00	26.2	27.5	27.4	27.6	27.7	27.6	28.0
03/10/2020 01:00:00	26.2	27.4	27.4	27.7	27.7	27.6	28.0
03/10/2020 01:10:00	26.2	27.4	27.4	27.6	27.7	27.5	28.0
03/10/2020 01:20:00	26.2	27.4	27.4	27.6	27.7	27.5	28.0
03/10/2020 01:30:00	26.2	27.4	27.4	27.6	27.7	27.5	28.0
03/10/2020 01:40:00	26.2	27.4	27.4	27.6	27.6	27.5	28.0
03/10/2020 01:50:00	26.2	27.4	27.4	27.6	27.6	27.5	28.0
03/10/2020 02:00:00	26.2	27.4	27.4	27.6	27.6	27.5	28.0
03/10/2020 02:10:00	26.2	27.4	27.3	27.6	27.6	27.5	27.9
03/10/2020 02:20:00	26.2	27.4	27.3	27.6	27.6	27.5	27.9
03/10/2020 02:30:00	26.2	27.4	27.3	27.6	27.6	27.5	27.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>EMPTY VESSEL STERILIZATION (ESIP)</b>			
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
03/10/2020 00:00:00	28.2	27.9	28.0
03/10/2020 00:10:00	28.2	27.9	28.0
03/10/2020 00:20:00	28.2	27.9	28.0
03/10/2020 00:30:00	28.2	27.9	28.0
03/10/2020 00:40:00	28.2	27.8	28.0
03/10/2020 00:50:00	28.2	27.8	28.0
03/10/2020 01:00:00	28.2	27.8	28.0
03/10/2020 01:10:00	28.2	27.8	28.0
03/10/2020 01:20:00	28.2	27.8	28.0
03/10/2020 01:30:00	28.2	27.8	28.0
03/10/2020 01:40:00	28.2	27.8	28.0
03/10/2020 01:50:00	28.2	27.8	28.0
03/10/2020 02:00:00	28.1	27.8	28.0
03/10/2020 02:10:00	28.1	27.8	28.0
03/10/2020 02:20:00	28.1	27.8	28.0
03/10/2020 02:30:00	28.1	27.8	28.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:27		Page 160 of 905



**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
03/10/2020 02:40:00	31	26.3	121.0	35.0	-0.11	121.00	27.5
03/10/2020 02:50:00	31	26.3	121.0	35.0	-0.11	121.00	27.5
03/10/2020 03:00:00	31	26.3	121.0	35.0	-0.11	121.00	27.5
03/10/2020 03:10:00	31	26.3	121.0	35.0	-0.11	121.00	27.5
03/10/2020 03:20:00	31	26.3	121.0	35.0	-0.11	121.00	27.5
03/10/2020 03:30:00	31	26.3	121.0	35.0	-0.11	121.00	27.5
03/10/2020 03:40:00	31	26.3	121.0	35.0	-0.11	121.00	27.5
03/10/2020 03:50:00	31	26.3	121.0	35.0	-0.11	121.00	27.5
03/10/2020 04:00:00	31	26.3	121.0	35.0	-0.11	121.00	27.5
03/10/2020 04:10:00	31	26.3	121.0	35.0	-0.11	121.00	27.5
03/10/2020 04:20:00	31	26.3	121.0	35.0	-0.11	121.00	27.5
03/10/2020 04:30:00	31	26.3	121.0	35.0	-0.11	121.00	27.5
03/10/2020 04:40:00	31	26.3	121.0	35.0	-0.11	121.00	27.5
03/10/2020 04:50:00	31	26.3	121.0	35.0	-0.11	121.00	27.5
03/10/2020 05:00:00	31	26.3	121.0	35.0	-0.11	121.00	27.5
03/10/2020 05:10:00	31	26.3	121.0	35.0	-0.11	121.00	27.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 02:40:00	26.2	27.4	27.3	27.6	27.6	27.5	27.9
03/10/2020 02:50:00	26.2	27.4	27.3	27.6	27.6	27.5	27.9
03/10/2020 03:00:00	26.2	27.4	27.3	27.6	27.6	27.5	27.9
03/10/2020 03:10:00	26.2	27.4	27.3	27.6	27.6	27.5	27.9
03/10/2020 03:20:00	26.2	27.4	27.3	27.6	27.6	27.5	27.9
03/10/2020 03:30:00	26.2	27.4	27.3	27.6	27.6	27.5	27.9
03/10/2020 03:40:00	26.2	27.3	27.3	27.6	27.6	27.5	27.9
03/10/2020 03:50:00	26.2	27.3	27.3	27.6	27.6	27.5	27.9
03/10/2020 04:00:00	26.2	27.3	27.3	27.6	27.6	27.5	27.9
03/10/2020 04:10:00	26.2	27.3	27.3	27.6	27.6	27.5	27.9
03/10/2020 04:20:00	26.2	27.3	27.3	27.6	27.6	27.5	27.9
03/10/2020 04:30:00	26.2	27.3	27.3	27.6	27.6	27.5	27.9
03/10/2020 04:40:00	26.1	27.3	27.3	27.6	27.5	27.5	27.9
03/10/2020 04:50:00	26.1	27.3	27.3	27.6	27.5	27.4	27.9
03/10/2020 05:00:00	26.1	27.3	27.2	27.6	27.5	27.4	27.9
03/10/2020 05:10:00	26.1	27.3	27.2	27.5	27.5	27.4	27.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
03/10/2020 02:40:00	28.1	27.8	28.0
03/10/2020 02:50:00	28.1	27.7	28.0
03/10/2020 03:00:00	28.1	27.7	27.9
03/10/2020 03:10:00	28.1	27.7	27.9
03/10/2020 03:20:00	28.1	27.7	27.9
03/10/2020 03:30:00	28.1	27.7	27.9
03/10/2020 03:40:00	28.1	27.7	27.9
03/10/2020 03:50:00	28.1	27.7	27.9
03/10/2020 04:00:00	28.1	27.7	27.9
03/10/2020 04:10:00	28.1	27.7	27.9
03/10/2020 04:20:00	28.1	27.7	27.9
03/10/2020 04:30:00	28.1	27.7	27.9
03/10/2020 04:40:00	28.1	27.7	27.9
03/10/2020 04:50:00	28.1	27.7	27.9
03/10/2020 05:00:00	28.1	27.7	27.9
03/10/2020 05:10:00	28.0	27.6	27.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
03/10/2020 05:20:00	31	26.3	121.0	35.0	-0.11	121.00	27.4
03/10/2020 05:30:00	31	26.3	121.0	35.0	-0.11	121.00	27.4
03/10/2020 05:40:00	31	26.3	121.0	35.0	-0.11	121.00	27.4
03/10/2020 05:50:00	31	26.3	121.0	35.0	-0.11	121.00	27.4
03/10/2020 06:00:00	31	26.3	121.0	35.0	-0.11	121.00	27.4
03/10/2020 06:10:00	31	26.2	121.0	35.0	-0.11	121.00	27.4
03/10/2020 06:20:00	31	26.2	121.0	35.0	-0.11	121.00	27.4
03/10/2020 06:30:00	31	26.2	121.0	35.0	-0.11	121.00	27.4
03/10/2020 06:40:00	31	26.2	121.0	35.0	-0.11	121.00	27.3
03/10/2020 06:50:00	31	26.1	121.0	35.0	-0.11	121.00	27.3
03/10/2020 07:00:00	31	26.1	121.0	35.0	-0.11	121.00	27.3
03/10/2020 07:10:00	31	26.1	121.0	35.0	-0.11	121.00	27.3
03/10/2020 07:20:00	31	26.1	121.0	35.0	-0.11	121.00	27.3
03/10/2020 07:30:00	31	26.1	121.0	35.0	-0.11	121.00	27.3
03/10/2020 07:40:00	31	26.1	121.0	35.0	-0.11	121.00	27.3
03/10/2020 07:50:00	31	26.1	121.0	35.0	-0.11	121.00	27.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 05:20:00	26.1	27.3	27.2	27.5	27.5	27.4	27.9
03/10/2020 05:30:00	26.1	27.3	27.2	27.5	27.5	27.4	27.8
03/10/2020 05:40:00	26.1	27.3	27.2	27.5	27.5	27.4	27.8
03/10/2020 05:50:00	26.1	27.3	27.2	27.5	27.5	27.4	27.8
03/10/2020 06:00:00	26.1	27.2	27.2	27.5	27.5	27.4	27.8
03/10/2020 06:10:00	26.1	27.2	27.2	27.5	27.5	27.4	27.8
03/10/2020 06:20:00	26.0	27.2	27.2	27.5	27.5	27.4	27.8
03/10/2020 06:30:00	26.0	27.2	27.2	27.5	27.5	27.3	27.8
03/10/2020 06:40:00	26.0	27.2	27.2	27.5	27.4	27.3	27.8
03/10/2020 06:50:00	26.0	27.2	27.1	27.4	27.4	27.3	27.8
03/10/2020 07:00:00	25.9	27.2	27.1	27.4	27.4	27.3	27.7
03/10/2020 07:10:00	25.9	27.2	27.1	27.4	27.4	27.3	27.7
03/10/2020 07:20:00	25.9	27.1	27.1	27.4	27.4	27.3	27.7
03/10/2020 07:30:00	25.9	27.1	27.1	27.4	27.4	27.2	27.7
03/10/2020 07:40:00	25.9	27.1	27.1	27.4	27.4	27.2	27.7
03/10/2020 07:50:00	25.9	27.1	27.1	27.4	27.3	27.2	27.7

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:27		Page 165 of 905

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
03/10/2020 05:20:00	28.0	27.6	27.9
03/10/2020 05:30:00	28.0	27.6	27.9
03/10/2020 05:40:00	28.0	27.6	27.9
03/10/2020 05:50:00	28.0	27.6	27.8
03/10/2020 06:00:00	28.0	27.6	27.8
03/10/2020 06:10:00	28.0	27.6	27.8
03/10/2020 06:20:00	28.0	27.6	27.8
03/10/2020 06:30:00	28.0	27.6	27.8
03/10/2020 06:40:00	28.0	27.6	27.8
03/10/2020 06:50:00	28.0	27.5	27.8
03/10/2020 07:00:00	28.0	27.5	27.8
03/10/2020 07:10:00	27.9	27.5	27.8
03/10/2020 07:20:00	27.9	27.5	27.7
03/10/2020 07:30:00	27.9	27.5	27.7
03/10/2020 07:40:00	27.9	27.5	27.7
03/10/2020 07:50:00	27.9	27.5	27.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
03/10/2020 08:00:00	31	26.1	121.0	35.0	-0.10	121.00	27.3
03/10/2020 08:10:00	31	26.1	121.0	35.0	-0.10	121.00	27.3
03/10/2020 08:20:00	31	26.1	121.0	35.0	-0.10	121.00	27.2
03/10/2020 08:30:00	31	26.1	121.0	35.0	-0.10	121.00	27.2
03/10/2020 08:40:00	31	26.1	121.0	35.0	-0.10	121.00	27.2
03/10/2020 08:50:00	30	26.1	121.0	35.0	-0.10	121.00	27.2
03/10/2020 09:00:00	30	26.2	121.0	35.0	-0.10	121.00	27.2
03/10/2020 09:10:00	30	26.2	121.0	35.0	-0.10	121.00	27.3
03/10/2020 09:20:00	30	26.2	121.0	35.0	-0.10	121.00	27.3
03/10/2020 09:30:00	30	26.2	121.0	35.0	-0.10	121.00	27.3
03/10/2020 09:40:00	30	26.2	121.0	35.0	-0.10	121.00	27.3
03/10/2020 09:50:00	30	26.2	121.0	35.0	-0.10	121.00	27.3
03/10/2020 10:00:00	30	26.2	121.0	35.0	-0.10	121.00	27.3
03/10/2020 10:10:00	30	26.2	121.0	35.0	-0.10	121.00	27.4
03/10/2020 10:20:00	30	26.2	121.0	35.0	-0.10	121.00	27.3
03/10/2020 10:30:00	30	26.2	121.0	35.0	-0.10	121.00	27.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 08:00:00	25.9	27.1	27.1	27.4	27.3	27.2	27.7
03/10/2020 08:10:00	25.9	27.1	27.1	27.4	27.3	27.2	27.7
03/10/2020 08:20:00	25.9	27.1	27.0	27.4	27.3	27.2	27.7
03/10/2020 08:30:00	25.9	27.1	27.1	27.4	27.3	27.2	27.7
03/10/2020 08:40:00	26.0	27.1	27.0	27.4	27.3	27.2	27.6
03/10/2020 08:50:00	26.0	27.1	27.1	27.4	27.3	27.2	27.7
03/10/2020 09:00:00	26.0	27.1	27.0	27.4	27.3	27.2	27.7
03/10/2020 09:10:00	26.0	27.1	27.1	27.4	27.3	27.2	27.7
03/10/2020 09:20:00	26.0	27.1	27.1	27.4	27.3	27.2	27.7
03/10/2020 09:30:00	26.0	27.1	27.1	27.4	27.4	27.3	27.7
03/10/2020 09:40:00	26.0	27.2	27.2	27.4	27.4	27.3	27.8
03/10/2020 09:50:00	26.0	27.2	27.2	27.5	27.4	27.3	27.8
03/10/2020 10:00:00	26.1	27.2	27.2	27.5	27.4	27.3	27.7
03/10/2020 10:10:00	26.1	27.2	27.2	27.5	27.4	27.3	27.7
03/10/2020 10:20:00	26.1	27.2	27.2	27.5	27.4	27.3	27.7
03/10/2020 10:30:00	26.1	27.2	27.2	27.5	27.4	27.3	27.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
03/10/2020 08:00:00	27.9	27.4	27.7
03/10/2020 08:10:00	27.9	27.4	27.7
03/10/2020 08:20:00	27.8	27.4	27.7
03/10/2020 08:30:00	27.8	27.4	27.7
03/10/2020 08:40:00	27.8	27.4	27.7
03/10/2020 08:50:00	27.8	27.4	27.7
03/10/2020 09:00:00	27.8	27.4	27.7
03/10/2020 09:10:00	27.8	27.4	27.7
03/10/2020 09:20:00	27.9	27.5	27.7
03/10/2020 09:30:00	27.9	27.5	27.7
03/10/2020 09:40:00	28.0	27.5	27.7
03/10/2020 09:50:00	28.0	27.5	27.7
03/10/2020 10:00:00	27.9	27.5	27.8
03/10/2020 10:10:00	27.9	27.5	27.7
03/10/2020 10:20:00	27.9	27.5	27.7
03/10/2020 10:30:00	27.9	27.5	27.8

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
03/10/2020 10:40:00	30	26.2	121.0	35.0	-0.10	121.00	27.4
03/10/2020 10:50:00	30	26.2	121.0	35.0	-0.10	121.00	27.4
03/10/2020 11:00:00	30	25.3	121.0	35.0	-0.10	121.00	26.9
03/10/2020 11:10:00	30	21.0	121.0	35.0	-0.11	121.00	25.0
03/10/2020 11:20:00	30	18.4	121.0	35.0	-0.11	121.00	23.5
03/10/2020 11:30:00	30	17.0	121.0	35.0	-0.12	121.00	22.3
03/10/2020 11:40:00	30	16.2	121.0	35.0	-0.12	121.00	21.4
03/10/2020 11:50:00	30	15.7	121.0	35.0	-0.12	121.00	20.7
03/10/2020 12:00:00	29	15.3	121.0	35.0	-0.12	121.00	20.1
03/10/2020 12:10:00	29	15.1	121.0	35.0	-0.13	121.00	19.6
03/10/2020 12:20:00	29	14.9	121.0	35.0	-0.13	121.00	19.3
03/10/2020 12:30:00	29	14.7	121.0	35.0	-0.13	121.00	18.9
03/10/2020 12:40:00	29	14.6	121.0	35.0	-0.13	121.00	18.7
03/10/2020 12:50:00	29	14.5	121.0	35.0	-0.13	121.00	18.5
03/10/2020 13:00:00	29	14.5	121.0	35.0	-0.13	121.00	18.3
03/10/2020 13:10:00	29	14.4	121.0	35.0	-0.13	121.00	18.2

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 10:40:00	26.1	27.2	27.2	27.5	27.4	27.3	27.8
03/10/2020 10:50:00	26.1	27.2	27.2	27.5	27.4	27.3	27.8
03/10/2020 11:00:00	25.3	26.8	26.1	27.1	26.9	26.1	27.4
03/10/2020 11:10:00	22.2	25.0	24.0	25.4	24.9	22.8	25.5
03/10/2020 11:20:00	19.9	23.4	22.3	23.8	23.3	20.8	23.9
03/10/2020 11:30:00	18.6	22.2	21.0	22.7	22.0	19.4	22.5
03/10/2020 11:40:00	17.6	21.3	20.1	21.8	21.0	18.5	21.5
03/10/2020 11:50:00	17.0	20.6	19.3	21.0	20.2	17.9	20.7
03/10/2020 12:00:00	16.5	20.0	18.8	20.5	19.5	17.4	20.1
03/10/2020 12:10:00	16.1	19.5	18.4	20.1	19.0	17.1	19.6
03/10/2020 12:20:00	15.8	19.1	18.0	19.7	18.6	16.8	19.2
03/10/2020 12:30:00	15.7	18.8	17.6	19.4	18.2	16.6	18.9
03/10/2020 12:40:00	15.5	18.5	17.4	19.1	18.0	16.4	18.6
03/10/2020 12:50:00	15.4	18.3	17.1	18.9	17.7	16.3	18.4
03/10/2020 13:00:00	15.3	18.1	16.9	18.7	17.5	16.2	18.3
03/10/2020 13:10:00	15.2	17.9	16.7	18.6	17.4	16.1	18.1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
03/10/2020 10:40:00	27.9	27.5	27.8
03/10/2020 10:50:00	27.9	27.6	27.8
03/10/2020 11:00:00	27.6	27.1	27.1
03/10/2020 11:10:00	25.7	24.7	24.6
03/10/2020 11:20:00	23.9	22.9	22.7
03/10/2020 11:30:00	22.5	21.6	21.2
03/10/2020 11:40:00	21.5	20.7	20.1
03/10/2020 11:50:00	20.6	20.0	19.3
03/10/2020 12:00:00	20.0	19.4	18.7
03/10/2020 12:10:00	19.6	19.0	18.2
03/10/2020 12:20:00	19.2	18.7	17.9
03/10/2020 12:30:00	18.9	18.4	17.6
03/10/2020 12:40:00	18.7	18.2	17.3
03/10/2020 12:50:00	18.5	18.1	17.1
03/10/2020 13:00:00	18.3	17.9	17.0
03/10/2020 13:10:00	18.2	17.8	16.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
03/10/2020 13:20:00	28	14.4	121.0	35.0	-0.14	121.00	18.1
03/10/2020 13:30:00	28	14.3	121.0	35.0	-0.14	121.00	18.0
03/10/2020 13:40:00	28	14.3	121.0	35.0	-0.14	121.00	17.8
03/10/2020 13:50:00	28	14.6	121.0	35.0	-0.14	121.00	17.8
03/10/2020 14:00:00	28	14.5	121.0	35.0	-0.14	121.00	17.8
03/10/2020 14:10:00	28	14.6	121.0	35.0	-0.14	121.00	17.8
03/10/2020 14:20:00	28	14.4	121.0	35.0	-0.14	121.00	17.8
03/10/2020 14:30:00	28	14.5	121.0	35.0	-0.14	121.00	17.8
03/10/2020 14:40:00	27	14.6	121.0	35.0	-0.14	121.00	17.9
03/10/2020 14:50:00	27	14.6	121.0	35.0	-0.14	121.00	17.9
03/10/2020 15:00:00	27	14.6	121.0	35.0	-0.14	121.00	17.9
03/10/2020 15:10:00	27	14.5	121.0	35.0	-0.14	121.00	17.8
03/10/2020 15:20:00	27	14.5	121.0	35.0	-0.14	121.00	17.8
03/10/2020 15:30:00	27	14.5	121.0	35.0	-0.14	121.00	17.8
03/10/2020 15:40:00	27	14.5	121.0	35.0	-0.14	121.00	17.9
03/10/2020 15:50:00	27	15.4	121.0	35.0	-0.13	121.00	18.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 13:20:00	15.2	17.8	16.6	18.5	17.2	16.0	18.0
03/10/2020 13:30:00	15.1	17.7	16.5	18.3	17.1	15.9	17.8
03/10/2020 13:40:00	15.1	17.5	16.4	18.2	17.0	15.8	17.7
03/10/2020 13:50:00	15.3	17.5	16.5	18.2	17.1	16.1	17.7
03/10/2020 14:00:00	15.3	17.5	16.5	18.1	17.0	16.0	17.7
03/10/2020 14:10:00	15.4	17.5	16.5	18.1	17.1	16.0	17.7
03/10/2020 14:20:00	15.2	17.4	16.3	18.1	16.9	15.9	17.6
03/10/2020 14:30:00	15.3	17.5	16.4	18.1	17.0	16.0	17.6
03/10/2020 14:40:00	15.4	17.6	16.5	18.2	17.0	16.1	17.7
03/10/2020 14:50:00	15.4	17.7	16.6	18.3	17.1	16.1	17.8
03/10/2020 15:00:00	15.5	17.7	16.5	18.3	17.1	16.1	17.8
03/10/2020 15:10:00	15.4	17.7	16.4	18.2	17.0	16.0	17.8
03/10/2020 15:20:00	15.4	17.7	16.4	18.2	16.9	16.0	17.8
03/10/2020 15:30:00	15.4	17.7	16.4	18.3	17.0	16.0	17.8
03/10/2020 15:40:00	15.4	17.7	16.5	18.3	17.0	16.1	17.8
03/10/2020 15:50:00	16.1	18.1	17.3	18.6	17.5	16.9	18.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
03/10/2020 13:20:00	18.1	17.7	16.7
03/10/2020 13:30:00	17.9	17.6	16.6
03/10/2020 13:40:00	17.9	17.5	16.6
03/10/2020 13:50:00	17.8	17.6	16.7
03/10/2020 14:00:00	17.9	17.5	16.7
03/10/2020 14:10:00	17.9	17.6	16.7
03/10/2020 14:20:00	17.7	17.4	16.6
03/10/2020 14:30:00	17.7	17.5	16.7
03/10/2020 14:40:00	17.8	17.5	17.0
03/10/2020 14:50:00	17.8	17.6	17.1
03/10/2020 15:00:00	17.9	17.6	17.2
03/10/2020 15:10:00	17.9	17.6	17.1
03/10/2020 15:20:00	17.9	17.6	17.1
03/10/2020 15:30:00	17.9	17.5	17.2
03/10/2020 15:40:00	17.9	17.5	17.3
03/10/2020 15:50:00	18.5	18.1	17.8

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Print Date & Time: -12/10/2020 21:40:28		Page 175 of 905

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
03/10/2020 16:00:00	27	16.6	121.0	35.0	-0.13	121.00	19.0
03/10/2020 16:10:00	27	17.5	121.0	35.0	-0.13	121.00	19.7
03/10/2020 16:20:00	27	18.3	121.0	35.0	-0.13	121.00	20.2
03/10/2020 16:30:00	27	19.0	121.0	35.0	-0.13	121.00	20.7
03/10/2020 16:40:00	27	19.7	121.0	35.0	-0.12	121.00	21.1
03/10/2020 16:50:00	27	20.2	121.0	35.0	-0.12	121.00	21.5
03/10/2020 17:00:00	27	20.7	121.0	35.0	-0.12	121.00	21.9
03/10/2020 17:10:00	27	21.1	121.0	35.0	-0.12	121.00	22.2
03/10/2020 17:20:00	27	21.4	121.0	35.0	-0.12	121.00	22.5
03/10/2020 17:30:00	27	21.7	121.0	35.0	-0.12	121.00	22.7
03/10/2020 17:40:00	27	21.9	121.0	35.0	-0.12	121.00	22.9
03/10/2020 17:50:00	27	22.2	121.0	35.0	-0.11	121.00	23.1
03/10/2020 18:00:00	27	22.4	121.0	35.0	-0.11	121.00	23.4
03/10/2020 18:10:00	27	22.7	121.0	35.0	-0.11	121.00	23.6
03/10/2020 18:20:00	27	22.9	121.0	35.0	-0.11	121.00	23.8
03/10/2020 18:30:00	27	23.2	121.0	35.0	-0.11	121.00	24.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 16:00:00	17.4	18.8	18.2	19.1	18.3	17.9	19.6
03/10/2020 16:10:00	18.4	19.4	19.0	19.7	19.1	18.7	20.4
03/10/2020 16:20:00	19.2	20.0	19.6	20.2	19.8	19.5	21.1
03/10/2020 16:30:00	19.9	20.5	20.2	20.7	20.4	20.1	21.6
03/10/2020 16:40:00	20.5	20.9	20.7	21.1	20.9	20.7	22.0
03/10/2020 16:50:00	21.0	21.3	21.1	21.5	21.4	21.2	22.4
03/10/2020 17:00:00	21.4	21.6	21.5	21.8	21.8	21.6	22.7
03/10/2020 17:10:00	21.7	21.9	21.8	22.2	22.1	22.0	23.0
03/10/2020 17:20:00	22.1	22.1	22.1	22.4	22.4	22.3	23.3
03/10/2020 17:30:00	22.3	22.4	22.4	22.7	22.7	22.6	23.5
03/10/2020 17:40:00	22.6	22.6	22.6	23.0	22.9	22.8	23.8
03/10/2020 17:50:00	22.9	22.8	22.9	23.2	23.1	23.1	24.0
03/10/2020 18:00:00	23.1	23.1	23.1	23.4	23.4	23.3	24.2
03/10/2020 18:10:00	23.2	23.2	23.3	23.6	23.5	23.5	24.2
03/10/2020 18:20:00	23.5	23.5	23.5	23.8	23.7	23.7	24.3
03/10/2020 18:30:00	23.7	23.7	23.8	24.0	23.9	23.9	24.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
03/10/2020 16:00:00	19.7	19.1	18.7
03/10/2020 16:10:00	20.5	19.9	19.5
03/10/2020 16:20:00	21.2	20.5	20.2
03/10/2020 16:30:00	21.7	21.0	20.7
03/10/2020 16:40:00	22.1	21.4	21.2
03/10/2020 16:50:00	22.5	21.8	21.6
03/10/2020 17:00:00	22.8	22.1	22.0
03/10/2020 17:10:00	23.1	22.4	22.3
03/10/2020 17:20:00	23.4	22.7	22.6
03/10/2020 17:30:00	23.6	23.0	22.9
03/10/2020 17:40:00	23.8	23.2	23.1
03/10/2020 17:50:00	24.1	23.4	23.4
03/10/2020 18:00:00	24.2	23.6	23.6
03/10/2020 18:10:00	24.3	23.8	23.8
03/10/2020 18:20:00	24.4	24.0	23.9
03/10/2020 18:30:00	24.6	24.1	24.1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
03/10/2020 18:40:00	27	23.4	121.0	35.0	-0.11	121.00	24.2
03/10/2020 18:50:00	27	23.7	121.0	35.0	-0.11	121.00	24.4
03/10/2020 19:00:00	27	23.8	121.0	35.0	-0.11	121.00	24.5
03/10/2020 19:10:00	27	24.0	121.0	35.0	-0.11	121.00	24.7
03/10/2020 19:20:00	27	24.1	121.0	35.0	-0.11	121.00	24.8
03/10/2020 19:30:00	27	24.2	121.0	35.0	-0.11	121.00	25.0
03/10/2020 19:40:00	27	24.4	121.0	35.0	-0.11	121.00	25.1
03/10/2020 19:50:00	26	24.4	121.0	35.0	-0.11	121.00	25.2
03/10/2020 20:00:00	26	24.5	121.0	35.0	-0.11	121.00	25.2
03/10/2020 20:10:00	26	24.6	121.0	35.0	-0.10	121.00	25.3
03/10/2020 20:20:00	26	24.7	121.0	35.0	-0.10	121.00	25.3
03/10/2020 20:30:00	26	24.7	121.0	35.0	-0.10	121.00	25.4
03/10/2020 20:40:00	26	24.8	121.0	35.0	-0.10	121.00	25.4
03/10/2020 20:50:00	26	24.8	121.0	35.0	-0.10	121.00	25.5
03/10/2020 21:00:00	26	24.9	121.0	35.0	-0.10	121.00	25.5
03/10/2020 21:10:00	26	24.9	121.0	35.0	-0.10	121.00	25.6

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 18:40:00	23.9	23.9	23.9	24.2	24.1	24.1	24.6
03/10/2020 18:50:00	24.1	24.1	24.1	24.3	24.3	24.3	24.8
03/10/2020 19:00:00	24.2	24.2	24.3	24.5	24.5	24.5	24.9
03/10/2020 19:10:00	24.3	24.3	24.5	24.6	24.6	24.6	25.0
03/10/2020 19:20:00	24.5	24.5	24.6	24.7	24.8	24.7	25.1
03/10/2020 19:30:00	24.6	24.6	24.7	24.9	24.9	24.9	25.2
03/10/2020 19:40:00	24.7	24.7	24.8	25.0	25.0	24.9	25.4
03/10/2020 19:50:00	24.7	24.8	24.8	25.0	25.1	25.0	25.5
03/10/2020 20:00:00	24.8	24.9	24.9	25.1	25.2	25.0	25.6
03/10/2020 20:10:00	24.9	25.0	24.9	25.2	25.3	25.1	25.7
03/10/2020 20:20:00	24.9	25.0	25.0	25.3	25.3	25.2	25.8
03/10/2020 20:30:00	25.0	25.1	25.1	25.3	25.4	25.2	25.9
03/10/2020 20:40:00	25.0	25.2	25.1	25.4	25.4	25.3	26.0
03/10/2020 20:50:00	25.1	25.2	25.2	25.4	25.5	25.3	26.0
03/10/2020 21:00:00	25.1	25.3	25.2	25.5	25.5	25.3	26.1
03/10/2020 21:10:00	25.1	25.4	25.3	25.5	25.5	25.4	26.2

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>EMPTY VESSEL STERILIZATION (ESIP)</b>			
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
03/10/2020 18:40:00	24.7	24.3	24.3
03/10/2020 18:50:00	24.9	24.5	24.5
03/10/2020 19:00:00	25.0	24.6	24.7
03/10/2020 19:10:00	25.2	24.8	24.8
03/10/2020 19:20:00	25.3	24.9	24.9
03/10/2020 19:30:00	25.4	25.0	25.1
03/10/2020 19:40:00	25.5	25.1	25.2
03/10/2020 19:50:00	25.7	25.2	25.3
03/10/2020 20:00:00	25.8	25.3	25.4
03/10/2020 20:10:00	25.9	25.4	25.5
03/10/2020 20:20:00	26.0	25.4	25.6
03/10/2020 20:30:00	26.1	25.5	25.7
03/10/2020 20:40:00	26.2	25.6	25.7
03/10/2020 20:50:00	26.2	25.7	25.8
03/10/2020 21:00:00	26.3	25.7	25.9
03/10/2020 21:10:00	26.4	25.8	26.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (ESIP-ST01) 200-RPT/TICR- 202_SP_ES.CV	COOLING TEMPERATURE SP (ESIP-CT01) 200-RPT/TICR- 202_C_SP_ES.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PICR-201_P_SP_ES 200-RPT/TICR- 204_SP_MSS.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV
03/10/2020 21:20:00	26	24.9	121.0	35.0	-0.10	121.00	25.7
03/10/2020 21:30:00	26	25.0	121.0	35.0	-0.10	121.00	25.7
03/10/2020 21:40:00	26	25.0	121.0	35.0	-0.10	121.00	25.8
03/10/2020 21:50:00	26	25.1	121.0	35.0	-0.10	121.00	25.8
03/10/2020 22:00:00	26	25.1	121.0	35.0	-0.10	121.00	25.9
03/10/2020 22:10:00	26	25.1	121.0	35.0	-0.10	121.00	25.9
03/10/2020 22:20:00	26	25.2	121.0	35.0	-0.10	121.00	26.0
03/10/2020 22:30:00	26	25.2	121.0	35.0	-0.10	121.00	26.0
03/10/2020 22:40:00	26	25.2	121.0	35.0	-0.10	121.00	26.0
03/10/2020 22:50:00	26	25.2	121.0	35.0	-0.10	121.00	26.1
03/10/2020 23:00:00	26	25.3	121.0	35.0	-0.10	121.00	26.2
03/10/2020 23:10:00	26	25.3	121.0	35.0	-0.10	121.00	26.2
03/10/2020 23:20:00	26	25.3	121.0	35.0	-0.10	121.00	26.3
03/10/2020 23:30:00	26	25.3	121.0	35.0	-0.10	121.00	26.3
03/10/2020 23:40:00	26	25.3	121.0	35.0	-0.10	121.00	26.3
03/10/2020 23:50:00	26	25.4	121.0	35.0	-0.10	121.00	26.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 21:20:00	25.2	25.4	25.3	25.6	25.6	25.5	26.2
03/10/2020 21:30:00	25.2	25.5	25.4	25.6	25.6	25.5	26.3
03/10/2020 21:40:00	25.2	25.5	25.4	25.6	25.7	25.6	26.3
03/10/2020 21:50:00	25.2	25.6	25.5	25.7	25.7	25.6	26.4
03/10/2020 22:00:00	25.2	25.6	25.5	25.7	25.8	25.6	26.4
03/10/2020 22:10:00	25.3	25.7	25.5	25.8	25.8	25.7	26.5
03/10/2020 22:20:00	25.3	25.7	25.6	25.8	25.8	25.7	26.5
03/10/2020 22:30:00	25.3	25.8	25.6	25.8	25.9	25.8	26.5
03/10/2020 22:40:00	25.3	25.8	25.7	25.9	25.9	25.8	26.6
03/10/2020 22:50:00	25.3	25.9	25.8	25.9	26.0	25.9	26.6
03/10/2020 23:00:00	25.4	25.9	25.9	26.0	26.1	26.0	26.6
03/10/2020 23:10:00	25.3	26.0	25.9	26.1	26.2	26.1	26.7
03/10/2020 23:20:00	25.3	26.0	26.0	26.1	26.2	26.1	26.7
03/10/2020 23:30:00	25.3	26.0	26.0	26.2	26.2	26.2	26.7
03/10/2020 23:40:00	25.3	26.1	26.0	26.2	26.3	26.2	26.8
03/10/2020 23:50:00	25.3	26.1	26.1	26.3	26.3	26.2	26.8

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**EMPTY VESSEL STERILIZATION (ESIP)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
03/10/2020 21:20:00	26.4	25.9	26.0
03/10/2020 21:30:00	26.5	25.9	26.1
03/10/2020 21:40:00	26.5	26.0	26.2
03/10/2020 21:50:00	26.6	26.0	26.2
03/10/2020 22:00:00	26.6	26.1	26.3
03/10/2020 22:10:00	26.7	26.1	26.3
03/10/2020 22:20:00	26.7	26.1	26.4
03/10/2020 22:30:00	26.8	26.2	26.4
03/10/2020 22:40:00	26.8	26.2	26.5
03/10/2020 22:50:00	26.8	26.3	26.5
03/10/2020 23:00:00	26.9	26.3	26.6
03/10/2020 23:10:00	26.9	26.4	26.6
03/10/2020 23:20:00	26.9	26.4	26.6
03/10/2020 23:30:00	26.9	26.4	26.7
03/10/2020 23:40:00	26.9	26.5	26.7
03/10/2020 23:50:00	27.0	26.5	26.7



**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
01/10/2020 00:00:00	27.7	0	100	0	162
01/10/2020 00:10:00	27.6	0	100	0	162
01/10/2020 00:20:00	27.5	0	100	0	162
01/10/2020 00:30:00	27.3	0	100	0	162
01/10/2020 00:40:00	27.2	0	100	0	162
01/10/2020 00:50:00	27.1	0	100	0	162
01/10/2020 01:00:00	27.0	0	100	0	162
01/10/2020 01:10:00	26.9	0	100	0	162
01/10/2020 01:20:00	26.8	0	100	0	162
01/10/2020 01:30:00	26.7	0	100	0	162
01/10/2020 01:40:00	26.6	0	100	0	162
01/10/2020 01:50:00	26.5	0	100	0	162
01/10/2020 02:00:00	26.4	0	100	0	162
01/10/2020 02:10:00	26.3	0	100	0	162
01/10/2020 02:20:00	26.2	0	100	0	162
01/10/2020 02:30:00	26.1	0	100	0	162
01/10/2020 02:40:00	26.0	0	100	0	162
01/10/2020 02:50:00	25.9	0	100	0	162

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
01/10/2020 03:00:00	25.8	0	100	0	162
01/10/2020 03:10:00	25.7	0	100	0	162
01/10/2020 03:20:00	25.6	0	100	0	162
01/10/2020 03:30:00	25.5	0	100	0	162
01/10/2020 03:40:00	25.4	0	100	0	162
01/10/2020 03:50:00	25.3	0	100	0	162
01/10/2020 04:00:00	25.2	0	100	0	162
01/10/2020 04:10:00	25.2	0	100	0	162
01/10/2020 04:20:00	25.1	0	100	0	162
01/10/2020 04:30:00	25.0	0	100	0	162
01/10/2020 04:40:00	24.9	0	100	0	162
01/10/2020 04:50:00	24.8	0	100	0	162
01/10/2020 05:00:00	24.7	0	100	0	162
01/10/2020 05:10:00	24.6	0	100	0	162
01/10/2020 05:20:00	24.5	0	100	0	162
01/10/2020 05:30:00	24.5	0	100	0	162
01/10/2020 05:40:00	24.4	0	100	0	162
01/10/2020 05:50:00	24.3	0	100	0	162

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
01/10/2020 06:00:00	24.2	0	100	0	162
01/10/2020 06:10:00	24.2	0	100	0	162
01/10/2020 06:20:00	24.1	0	100	0	162
01/10/2020 06:30:00	24.0	0	100	0	162
01/10/2020 06:40:00	23.9	0	100	0	162
01/10/2020 06:50:00	23.9	0	100	0	162
01/10/2020 07:00:00	23.8	0	100	0	162
01/10/2020 07:10:00	23.7	0	100	0	162
01/10/2020 07:20:00	23.6	0	100	0	162
01/10/2020 07:30:00	23.5	0	100	0	162
01/10/2020 07:40:00	23.5	0	100	0	162
01/10/2020 07:50:00	23.4	0	100	0	162
01/10/2020 08:00:00	23.3	0	100	0	162
01/10/2020 08:10:00	23.3	0	100	0	162
01/10/2020 08:20:00	23.2	0	100	0	162
01/10/2020 08:30:00	23.1	0	100	0	162
01/10/2020 08:40:00	23.1	0	100	0	162
01/10/2020 08:50:00	23.0	0	100	0	162

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
01/10/2020 09:00:00	22.9	0	100	0	162
01/10/2020 09:10:00	22.9	0	100	0	162
01/10/2020 09:20:00	22.8	0	100	0	162
01/10/2020 09:30:00	22.7	0	100	0	162
01/10/2020 09:40:00	22.7	0	100	0	162
01/10/2020 09:50:00	22.6	0	100	0	162
01/10/2020 10:00:00	22.5	0	100	0	162
01/10/2020 10:10:00	22.5	0	100	0	162
01/10/2020 10:20:00	22.5	0	100	0	162
01/10/2020 10:30:00	22.5	0	100	0	162
01/10/2020 10:40:00	22.5	0	100	0	162
01/10/2020 10:50:00	22.5	0	100	0	162
01/10/2020 11:00:00	26.2	100	100	0	155
01/10/2020 11:10:00	26.2	100	100	0	154
01/10/2020 11:20:00	47.7	100	100	0	128
01/10/2020 11:30:00	85.8	100	100	0	129
01/10/2020 11:40:00	99.7	100	100	0	129
01/10/2020 11:50:00	101.9	0	100	0	129

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
01/10/2020 12:00:00	100.1	0	100	0	129
01/10/2020 12:10:00	98.6	0	100	0	129
01/10/2020 12:20:00	105.1	0	100	0	127
01/10/2020 12:30:00	105.3	0	100	0	127
01/10/2020 12:40:00	79.3	0	100	2	154
01/10/2020 12:50:00	58.1	0	100	1	153
01/10/2020 13:00:00	46.3	0	100	2	153
01/10/2020 13:10:00	43.1	0	100	1	153
01/10/2020 13:20:00	41.9	0	100	1	153
01/10/2020 13:30:00	41.3	0	100	2	153
01/10/2020 13:40:00	40.9	0	100	2	153
01/10/2020 13:50:00	40.6	0	100	1	153
01/10/2020 14:00:00	40.3	0	100	1	153
01/10/2020 14:10:00	48.3	100	100	0	125
01/10/2020 14:20:00	85.8	100	100	0	126
01/10/2020 14:30:00	100.3	100	100	0	126
01/10/2020 14:40:00	108.1	100	100	1	126
01/10/2020 14:50:00	112.0	100	100	1	126

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
01/10/2020 15:00:00	113.7	100	100	1	125
01/10/2020 15:10:00	113.7	0	100	1	124
01/10/2020 15:20:00	111.8	0	100	1	125
01/10/2020 15:30:00	108.8	100	100	1	123
01/10/2020 15:40:00	107.5	0	100	1	123
01/10/2020 15:50:00	105.6	100	100	2	132
01/10/2020 16:00:00	71.6	0	100	1	149
01/10/2020 16:10:00	65.5	0	100	1	150
01/10/2020 16:20:00	63.5	0	100	1	150
01/10/2020 16:30:00	57.2	0	100	0	143
01/10/2020 16:40:00	50.9	0	100	0	139
01/10/2020 16:50:00	49.3	0	100	0	140
01/10/2020 17:00:00	48.5	0	100	0	141
01/10/2020 17:10:00	48.0	0	100	0	142
01/10/2020 17:20:00	47.7	0	100	0	142
01/10/2020 17:30:00	47.4	0	100	0	142
01/10/2020 17:40:00	47.2	0	100	0	143
01/10/2020 17:50:00	46.9	0	100	0	143

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
01/10/2020 18:00:00	46.6	0	100	0	143
01/10/2020 18:10:00	46.4	0	100	0	143
01/10/2020 18:20:00	46.2	0	100	0	144
01/10/2020 18:30:00	45.9	0	100	0	144
01/10/2020 18:40:00	45.7	0	100	0	141
01/10/2020 18:50:00	45.5	0	100	0	142
01/10/2020 19:00:00	45.3	0	100	0	143
01/10/2020 19:10:00	45.0	0	100	0	142
01/10/2020 19:20:00	44.8	0	100	0	143
01/10/2020 19:30:00	44.6	0	100	0	143
01/10/2020 19:40:00	44.4	0	100	0	143
01/10/2020 19:50:00	44.2	0	100	0	144
01/10/2020 20:00:00	44.0	0	100	0	144
01/10/2020 20:10:00	43.8	0	100	0	144
01/10/2020 20:20:00	43.6	0	100	0	144
01/10/2020 20:30:00	43.4	0	100	0	144
01/10/2020 20:40:00	43.2	0	100	0	144
01/10/2020 20:50:00	43.1	0	100	0	144

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
01/10/2020 21:00:00	42.9	0	100	0	144
01/10/2020 21:10:00	42.7	0	100	0	144
01/10/2020 21:20:00	42.5	0	100	0	144
01/10/2020 21:30:00	42.4	0	100	0	144
01/10/2020 21:40:00	42.2	0	100	0	144
01/10/2020 21:50:00	42.1	0	100	0	144
01/10/2020 22:00:00	41.9	0	100	0	144
01/10/2020 22:10:00	41.8	0	100	0	144
01/10/2020 22:20:00	41.6	0	100	0	144
01/10/2020 22:30:00	41.5	0	100	0	144
01/10/2020 22:40:00	41.4	0	100	0	144
01/10/2020 22:50:00	41.2	0	100	0	144
01/10/2020 23:00:00	41.1	0	100	0	144
01/10/2020 23:10:00	41.0	0	100	0	144
01/10/2020 23:20:00	40.8	0	100	0	144
01/10/2020 23:30:00	40.7	0	100	0	145
01/10/2020 23:40:00	40.6	0	100	0	145
01/10/2020 23:50:00	40.4	0	100	0	145

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
02/10/2020 00:00:00	40.3	0	100	0	145
02/10/2020 00:10:00	40.2	0	100	0	145
02/10/2020 00:20:00	40.1	0	100	0	145
02/10/2020 00:30:00	40.0	0	100	0	145
02/10/2020 00:40:00	39.9	0	100	0	145
02/10/2020 00:50:00	39.8	0	100	0	145
02/10/2020 01:00:00	39.7	0	100	0	145
02/10/2020 01:10:00	39.5	0	100	0	145
02/10/2020 01:20:00	39.4	0	100	0	145
02/10/2020 01:30:00	39.3	0	100	0	145
02/10/2020 01:40:00	39.2	0	100	0	145
02/10/2020 01:50:00	39.1	0	100	0	145
02/10/2020 02:00:00	39.0	0	100	0	145
02/10/2020 02:10:00	38.9	0	100	0	145
02/10/2020 02:20:00	38.8	0	100	0	145
02/10/2020 02:30:00	38.7	0	100	0	145
02/10/2020 02:40:00	38.6	0	100	0	145
02/10/2020 02:50:00	38.6	0	100	0	145

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
02/10/2020 03:00:00	38.5	0	100	0	145
02/10/2020 03:10:00	38.4	0	100	0	144
02/10/2020 03:20:00	38.3	0	100	0	143
02/10/2020 03:30:00	38.2	0	100	0	145
02/10/2020 03:40:00	38.1	0	100	0	145
02/10/2020 03:50:00	38.0	0	100	0	145
02/10/2020 04:00:00	37.9	0	100	0	145
02/10/2020 04:10:00	37.8	0	100	0	145
02/10/2020 04:20:00	37.7	0	100	0	144
02/10/2020 04:30:00	37.7	0	100	0	144
02/10/2020 04:40:00	37.6	0	100	0	144
02/10/2020 04:50:00	37.5	0	100	0	144
02/10/2020 05:00:00	37.4	0	100	0	144
02/10/2020 05:10:00	37.4	0	100	0	144
02/10/2020 05:20:00	37.3	0	100	0	144
02/10/2020 05:30:00	37.2	0	100	0	144
02/10/2020 05:40:00	37.1	0	100	0	144
02/10/2020 05:50:00	37.0	0	100	0	145

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
02/10/2020 06:00:00	37.0	0	100	0	145
02/10/2020 06:10:00	36.9	0	100	0	145
02/10/2020 06:20:00	36.8	0	100	0	145
02/10/2020 06:30:00	36.8	0	100	0	145
02/10/2020 06:40:00	36.7	0	100	0	145
02/10/2020 06:50:00	36.6	0	100	0	145
02/10/2020 07:00:00	36.5	0	100	0	145
02/10/2020 07:10:00	36.5	0	100	0	145
02/10/2020 07:20:00	36.4	0	100	0	145
02/10/2020 07:30:00	36.3	0	100	0	145
02/10/2020 07:40:00	36.3	0	100	0	145
02/10/2020 07:50:00	36.2	0	100	0	145
02/10/2020 08:00:00	36.1	0	100	0	145
02/10/2020 08:10:00	36.0	0	100	0	145
02/10/2020 08:20:00	36.0	0	100	0	145
02/10/2020 08:30:00	35.9	0	100	0	145
02/10/2020 08:40:00	35.8	0	100	0	145
02/10/2020 08:50:00	35.8	0	100	0	145

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
02/10/2020 09:00:00	35.7	0	100	0	144
02/10/2020 09:10:00	35.6	0	100	0	144
02/10/2020 09:20:00	35.6	0	100	0	144
02/10/2020 09:30:00	35.5	0	100	0	144
02/10/2020 09:40:00	35.5	0	100	0	145
02/10/2020 09:50:00	35.4	0	100	0	145
02/10/2020 10:00:00	35.3	0	100	0	145
02/10/2020 10:10:00	35.3	0	100	0	145
02/10/2020 10:20:00	35.2	0	100	0	145
02/10/2020 10:30:00	35.1	0	100	0	145
02/10/2020 10:40:00	35.1	0	100	0	145
02/10/2020 10:50:00	35.0	0	100	0	145
02/10/2020 11:00:00	35.0	0	100	0	145
02/10/2020 11:10:00	34.9	0	100	0	145
02/10/2020 11:20:00	34.8	0	100	0	145
02/10/2020 11:30:00	34.8	0	100	0	145
02/10/2020 11:40:00	34.7	0	100	0	145
02/10/2020 11:50:00	34.7	0	100	0	145

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
02/10/2020 12:00:00	34.6	0	100	0	145
02/10/2020 12:10:00	34.6	0	100	0	145
02/10/2020 12:20:00	34.5	0	100	0	145
02/10/2020 12:30:00	34.5	0	100	0	145
02/10/2020 12:40:00	34.4	0	100	0	145
02/10/2020 12:50:00	34.3	0	100	0	145
02/10/2020 13:00:00	34.3	0	100	0	145
02/10/2020 13:10:00	34.2	0	100	0	145
02/10/2020 13:20:00	34.2	0	100	0	145
02/10/2020 13:30:00	34.1	0	100	0	145
02/10/2020 13:40:00	34.1	0	100	0	145
02/10/2020 13:50:00	34.1	0	100	0	145
02/10/2020 14:00:00	34.0	0	100	0	145
02/10/2020 14:10:00	34.0	0	100	0	145
02/10/2020 14:20:00	33.9	0	100	0	145
02/10/2020 14:30:00	33.8	0	100	0	145
02/10/2020 14:40:00	33.8	0	100	0	145
02/10/2020 14:50:00	33.8	0	100	0	145

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
02/10/2020 15:00:00	33.7	0	100	0	145
02/10/2020 15:10:00	33.7	0	100	0	145
02/10/2020 15:20:00	33.6	0	100	0	145
02/10/2020 15:30:00	33.6	0	100	0	145
02/10/2020 15:40:00	33.5	0	100	0	145
02/10/2020 15:50:00	33.5	0	100	0	145
02/10/2020 16:00:00	33.5	0	100	0	145
02/10/2020 16:10:00	33.4	0	100	0	145
02/10/2020 16:20:00	33.4	0	100	0	145
02/10/2020 16:30:00	33.3	0	100	0	145
02/10/2020 16:40:00	33.3	0	100	0	145
02/10/2020 16:50:00	33.2	0	100	0	145
02/10/2020 17:00:00	33.2	0	100	0	145
02/10/2020 17:10:00	33.2	0	100	0	145
02/10/2020 17:20:00	33.1	0	100	0	145
02/10/2020 17:30:00	33.1	0	100	0	145
02/10/2020 17:40:00	33.0	0	100	0	145
02/10/2020 17:50:00	33.0	0	100	0	145

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
02/10/2020 18:00:00	33.0	0	100	0	145
02/10/2020 18:10:00	32.9	0	100	0	145
02/10/2020 18:20:00	32.9	0	100	0	145
02/10/2020 18:30:00	32.9	0	100	0	145
02/10/2020 18:40:00	32.8	0	100	0	145
02/10/2020 18:50:00	32.8	0	100	0	145
02/10/2020 19:00:00	32.7	0	100	0	145
02/10/2020 19:10:00	32.7	0	100	0	145
02/10/2020 19:20:00	32.7	0	100	0	145
02/10/2020 19:30:00	32.6	0	100	0	145
02/10/2020 19:40:00	32.6	0	100	0	145
02/10/2020 19:50:00	32.5	0	100	0	145
02/10/2020 20:00:00	32.5	0	100	0	145
02/10/2020 20:10:00	32.5	0	100	0	145
02/10/2020 20:20:00	32.4	0	100	0	145
02/10/2020 20:30:00	32.4	0	100	0	145
02/10/2020 20:40:00	32.4	0	100	0	145
02/10/2020 20:50:00	32.4	0	100	0	145

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
02/10/2020 21:00:00	32.3	0	100	0	145
02/10/2020 21:10:00	32.3	0	100	0	145
02/10/2020 21:20:00	32.3	0	100	0	145
02/10/2020 21:30:00	32.2	0	100	0	145
02/10/2020 21:40:00	32.2	0	100	0	145
02/10/2020 21:50:00	32.2	0	100	0	145
02/10/2020 22:00:00	32.1	0	100	0	145
02/10/2020 22:10:00	32.1	0	100	0	145
02/10/2020 22:20:00	32.1	0	100	0	145
02/10/2020 22:30:00	32.0	0	100	0	145
02/10/2020 22:40:00	32.0	0	100	0	145
02/10/2020 22:50:00	32.0	0	100	0	145
02/10/2020 23:00:00	32.0	0	100	0	145
02/10/2020 23:10:00	31.9	0	100	0	145
02/10/2020 23:20:00	31.9	0	100	0	145
02/10/2020 23:30:00	31.9	0	100	0	145
02/10/2020 23:40:00	31.8	0	100	0	145
02/10/2020 23:50:00	31.8	0	100	0	145

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



<b>MEDIA CHARGING (MC)</b>					
<b>DATE &amp; TIME</b>	<b>VESSEL TEMP TICR-0201/PV.CV</b>	<b>AGITATOR AGT-0201 SICR-0201/AO1/PV.CV</b>	<b>AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV</b>	<b>VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV</b>	<b>LEVEL LICR-0201/PV.CV</b>
03/10/2020 00:00:00	31.8	0	100	0	145
03/10/2020 00:10:00	31.7	0	100	0	145
03/10/2020 00:20:00	31.7	0	100	0	145
03/10/2020 00:30:00	31.7	0	100	0	145
03/10/2020 00:40:00	31.7	0	100	0	145
03/10/2020 00:50:00	31.6	0	100	0	145
03/10/2020 01:00:00	31.6	0	100	0	145
03/10/2020 01:10:00	31.6	0	100	0	145
03/10/2020 01:20:00	31.5	0	100	0	145
03/10/2020 01:30:00	31.5	0	100	0	145
03/10/2020 01:40:00	31.5	0	100	0	145
03/10/2020 01:50:00	31.5	0	100	0	145
03/10/2020 02:00:00	31.4	0	100	0	145
03/10/2020 02:10:00	31.4	0	100	0	145
03/10/2020 02:20:00	31.4	0	100	0	145
03/10/2020 02:30:00	31.4	0	100	0	145
03/10/2020 02:40:00	31.3	0	100	0	145
03/10/2020 02:50:00	31.3	0	100	0	145

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:30		Page 201 of 905

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
03/10/2020 03:00:00	31.3	0	100	0	145
03/10/2020 03:10:00	31.3	0	100	0	145
03/10/2020 03:20:00	31.3	0	100	0	145
03/10/2020 03:30:00	31.2	0	100	0	145
03/10/2020 03:40:00	31.2	0	100	0	145
03/10/2020 03:50:00	31.2	0	100	0	145
03/10/2020 04:00:00	31.1	0	100	0	145
03/10/2020 04:10:00	31.1	0	100	0	145
03/10/2020 04:20:00	31.1	0	100	0	145
03/10/2020 04:30:00	31.1	0	100	0	145
03/10/2020 04:40:00	31.1	0	100	0	145
03/10/2020 04:50:00	31.0	0	100	0	145
03/10/2020 05:00:00	31.0	0	100	0	145
03/10/2020 05:10:00	31.0	0	100	0	145
03/10/2020 05:20:00	31.0	0	100	0	145
03/10/2020 05:30:00	30.9	0	100	0	145
03/10/2020 05:40:00	30.9	0	100	0	145
03/10/2020 05:50:00	30.9	0	100	0	145

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
03/10/2020 06:00:00	30.9	0	100	0	145
03/10/2020 06:10:00	30.8	0	100	0	145
03/10/2020 06:20:00	30.8	0	100	0	145
03/10/2020 06:30:00	30.8	0	100	0	145
03/10/2020 06:40:00	30.8	0	100	0	145
03/10/2020 06:50:00	30.7	0	100	0	145
03/10/2020 07:00:00	30.7	0	100	0	145
03/10/2020 07:10:00	30.7	0	100	0	145
03/10/2020 07:20:00	30.7	0	100	0	145
03/10/2020 07:30:00	30.6	0	100	0	145
03/10/2020 07:40:00	30.6	0	100	0	145
03/10/2020 07:50:00	30.6	0	100	0	145
03/10/2020 08:00:00	30.6	0	100	0	145
03/10/2020 08:10:00	30.6	0	100	0	145
03/10/2020 08:20:00	30.5	0	100	0	144
03/10/2020 08:30:00	30.5	0	100	0	144
03/10/2020 08:40:00	30.5	0	100	0	144
03/10/2020 08:50:00	30.5	0	100	0	144

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
03/10/2020 09:00:00	30.5	0	100	0	144
03/10/2020 09:10:00	30.5	0	100	0	143
03/10/2020 09:20:00	30.4	0	100	0	143
03/10/2020 09:30:00	30.4	0	100	0	143
03/10/2020 09:40:00	30.4	0	100	0	143
03/10/2020 09:50:00	30.4	0	100	0	143
03/10/2020 10:00:00	30.4	0	100	0	143
03/10/2020 10:10:00	30.3	0	100	0	143
03/10/2020 10:20:00	30.3	0	100	0	143
03/10/2020 10:30:00	30.3	0	100	0	143
03/10/2020 10:40:00	30.3	0	100	0	143
03/10/2020 10:50:00	30.3	0	100	0	143
03/10/2020 11:00:00	30.2	0	100	0	144
03/10/2020 11:10:00	30.0	0	100	0	143
03/10/2020 11:20:00	29.9	0	100	0	143
03/10/2020 11:30:00	29.8	0	100	0	143
03/10/2020 11:40:00	29.7	0	100	0	143
03/10/2020 11:50:00	29.5	0	100	0	143

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
03/10/2020 12:00:00	29.4	0	100	0	143
03/10/2020 12:10:00	29.3	0	100	0	143
03/10/2020 12:20:00	29.2	0	100	0	143
03/10/2020 12:30:00	29.0	0	100	0	143
03/10/2020 12:40:00	28.9	0	100	0	143
03/10/2020 12:50:00	28.8	0	100	0	143
03/10/2020 13:00:00	28.6	0	100	0	143
03/10/2020 13:10:00	28.5	0	100	0	143
03/10/2020 13:20:00	28.4	0	100	0	143
03/10/2020 13:30:00	28.3	0	100	0	143
03/10/2020 13:40:00	28.1	0	100	0	143
03/10/2020 13:50:00	28.0	0	100	0	143
03/10/2020 14:00:00	27.9	0	100	0	143
03/10/2020 14:10:00	27.8	0	100	0	143
03/10/2020 14:20:00	27.7	0	100	0	143
03/10/2020 14:30:00	27.6	0	100	0	143
03/10/2020 14:40:00	27.5	0	100	0	143
03/10/2020 14:50:00	27.4	0	100	0	143

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
03/10/2020 15:00:00	27.2	0	100	0	143
03/10/2020 15:10:00	27.1	0	100	0	143
03/10/2020 15:20:00	27.0	0	100	0	143
03/10/2020 15:30:00	26.9	0	100	0	143
03/10/2020 15:40:00	26.8	0	100	0	143
03/10/2020 15:50:00	26.8	0	100	0	142
03/10/2020 16:00:00	26.8	0	100	0	141
03/10/2020 16:10:00	26.8	0	100	0	141
03/10/2020 16:20:00	26.8	0	100	0	141
03/10/2020 16:30:00	26.7	0	100	0	140
03/10/2020 16:40:00	26.7	0	100	0	140
03/10/2020 16:50:00	26.7	0	100	0	140
03/10/2020 17:00:00	26.7	0	100	0	140
03/10/2020 17:10:00	26.7	0	100	0	140
03/10/2020 17:20:00	26.7	0	100	0	140
03/10/2020 17:30:00	26.6	0	100	0	141
03/10/2020 17:40:00	26.6	0	100	0	140
03/10/2020 17:50:00	26.6	0	100	0	140

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
03/10/2020 18:00:00	26.6	0	100	0	140
03/10/2020 18:10:00	26.6	0	100	0	140
03/10/2020 18:20:00	26.6	0	100	0	140
03/10/2020 18:30:00	26.6	0	100	0	140
03/10/2020 18:40:00	26.5	0	100	0	140
03/10/2020 18:50:00	26.5	0	100	0	140
03/10/2020 19:00:00	26.5	0	100	0	140
03/10/2020 19:10:00	26.5	0	100	0	140
03/10/2020 19:20:00	26.5	0	100	0	140
03/10/2020 19:30:00	26.5	0	100	0	140
03/10/2020 19:40:00	26.5	0	100	0	140
03/10/2020 19:50:00	26.5	0	100	0	140
03/10/2020 20:00:00	26.5	0	100	0	139
03/10/2020 20:10:00	26.5	0	100	0	139
03/10/2020 20:20:00	26.5	0	100	0	139
03/10/2020 20:30:00	26.5	0	100	0	139
03/10/2020 20:40:00	26.5	0	100	0	139
03/10/2020 20:50:00	26.5	0	100	0	139

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA CHARGING (MC)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV	AGITATION SPEED SP (CIP- AGS01) 200-RPT/SICR- 201_SP_MC.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	LEVEL LICR-0201/PV.CV
03/10/2020 21:00:00	26.5	0	100	0	139
03/10/2020 21:10:00	26.4	0	100	0	139
03/10/2020 21:20:00	26.4	0	100	0	139
03/10/2020 21:30:00	26.4	0	100	0	139
03/10/2020 21:40:00	26.4	0	100	0	139
03/10/2020 21:50:00	26.4	0	100	0	139
03/10/2020 22:00:00	26.4	0	100	0	139
03/10/2020 22:10:00	26.4	0	100	0	139
03/10/2020 22:20:00	26.4	0	100	0	138
03/10/2020 22:30:00	26.4	0	100	0	138
03/10/2020 22:40:00	26.4	0	100	0	138
03/10/2020 22:50:00	26.4	0	100	0	138
03/10/2020 23:00:00	26.4	0	100	0	138
03/10/2020 23:10:00	26.4	0	100	0	138
03/10/2020 23:20:00	26.4	0	100	0	138
03/10/2020 23:30:00	26.4	0	100	0	138
03/10/2020 23:40:00	26.4	0	100	0	138
03/10/2020 23:50:00	26.4	0	100	0	138

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
01/10/2020 00:00:00	27.7	121.0	100.0	-0.14	1.50	0
01/10/2020 00:10:00	27.6	121.0	100.0	-0.14	1.50	0
01/10/2020 00:20:00	27.5	121.0	100.0	-0.14	1.50	0
01/10/2020 00:30:00	27.3	121.0	100.0	-0.13	1.50	0
01/10/2020 00:40:00	27.2	121.0	100.0	-0.13	1.50	0
01/10/2020 00:50:00	27.1	121.0	100.0	-0.13	1.50	0
01/10/2020 01:00:00	27.0	121.0	100.0	-0.13	1.50	0
01/10/2020 01:10:00	26.9	121.0	100.0	-0.13	1.50	0
01/10/2020 01:20:00	26.8	121.0	100.0	-0.13	1.50	0
01/10/2020 01:30:00	26.7	121.0	100.0	-0.13	1.50	0
01/10/2020 01:40:00	26.6	121.0	100.0	-0.13	1.50	0
01/10/2020 01:50:00	26.5	121.0	100.0	-0.13	1.50	0
01/10/2020 02:00:00	26.4	121.0	100.0	-0.13	1.50	0
01/10/2020 02:10:00	26.3	121.0	100.0	-0.13	1.50	0
01/10/2020 02:20:00	26.2	121.0	100.0	-0.13	1.50	0
01/10/2020 02:30:00	26.1	121.0	100.0	-0.13	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
01/10/2020 00:00:00	100	162	14.0	16.6	16.9	14.4
01/10/2020 00:10:00	100	162	13.9	16.5	16.9	14.4
01/10/2020 00:20:00	100	162	13.9	16.5	16.9	14.3
01/10/2020 00:30:00	100	162	13.9	16.4	16.8	14.4
01/10/2020 00:40:00	100	162	13.9	16.4	16.8	14.4
01/10/2020 00:50:00	100	162	13.9	16.4	16.8	14.3
01/10/2020 01:00:00	100	162	13.9	16.3	16.8	14.3
01/10/2020 01:10:00	100	162	13.9	16.3	16.8	14.3
01/10/2020 01:20:00	100	162	13.9	16.3	16.8	14.3
01/10/2020 01:30:00	100	162	13.9	16.2	16.8	14.2
01/10/2020 01:40:00	100	162	13.8	16.2	16.7	14.2
01/10/2020 01:50:00	100	162	13.8	16.2	16.7	14.2
01/10/2020 02:00:00	100	162	13.8	16.2	16.7	14.2
01/10/2020 02:10:00	100	162	13.8	16.1	16.7	14.2
01/10/2020 02:20:00	100	162	13.8	16.1	16.7	14.2
01/10/2020 02:30:00	100	162	13.8	16.1	16.6	14.2

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 00:00:00	16.4	15.6	16.3	15.9	15.0	16.2
01/10/2020 00:10:00	16.4	15.6	16.3	15.8	15.0	16.1
01/10/2020 00:20:00	16.4	15.5	16.3	15.8	15.0	16.1
01/10/2020 00:30:00	16.4	15.6	16.2	15.8	15.0	16.1
01/10/2020 00:40:00	16.3	15.5	16.2	15.8	15.0	16.1
01/10/2020 00:50:00	16.3	15.4	16.2	15.8	14.9	16.1
01/10/2020 01:00:00	16.3	15.4	16.2	15.8	14.9	16.1
01/10/2020 01:10:00	16.3	15.4	16.2	15.8	14.9	16.0
01/10/2020 01:20:00	16.3	15.4	16.1	15.8	14.9	16.0
01/10/2020 01:30:00	16.2	15.4	16.1	15.7	14.9	16.0
01/10/2020 01:40:00	16.2	15.4	16.1	15.7	14.8	16.0
01/10/2020 01:50:00	16.2	15.3	16.1	15.7	14.9	16.0
01/10/2020 02:00:00	16.2	15.3	16.0	15.7	14.8	16.0
01/10/2020 02:10:00	16.2	15.3	16.0	15.7	14.8	16.0
01/10/2020 02:20:00	16.1	15.3	16.0	15.6	14.8	15.9
01/10/2020 02:30:00	16.1	15.2	16.0	15.6	14.8	15.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
01/10/2020 00:00:00	16.3	16.2	121.0	15.4
01/10/2020 00:10:00	16.3	16.2	121.0	15.4
01/10/2020 00:20:00	16.3	16.2	121.0	15.4
01/10/2020 00:30:00	16.3	16.2	121.0	15.4
01/10/2020 00:40:00	16.3	16.2	121.0	15.4
01/10/2020 00:50:00	16.3	16.2	121.0	15.4
01/10/2020 01:00:00	16.3	16.2	121.0	15.3
01/10/2020 01:10:00	16.2	16.1	121.0	15.3
01/10/2020 01:20:00	16.2	16.1	121.0	15.3
01/10/2020 01:30:00	16.2	16.1	121.0	15.3
01/10/2020 01:40:00	16.2	16.1	121.0	15.3
01/10/2020 01:50:00	16.2	16.1	121.0	15.3
01/10/2020 02:00:00	16.2	16.0	121.0	15.2
01/10/2020 02:10:00	16.1	16.0	121.0	15.2
01/10/2020 02:20:00	16.1	16.0	121.0	15.2
01/10/2020 02:30:00	16.1	16.0	121.0	15.2

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:36		Page 212 of 905

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
01/10/2020 02:40:00	26.0	121.0	100.0	-0.13	1.50	0
01/10/2020 02:50:00	25.9	121.0	100.0	-0.13	1.50	0
01/10/2020 03:00:00	25.8	121.0	100.0	-0.13	1.50	0
01/10/2020 03:10:00	25.7	121.0	100.0	-0.13	1.50	0
01/10/2020 03:20:00	25.6	121.0	100.0	-0.13	1.50	0
01/10/2020 03:30:00	25.5	121.0	100.0	-0.13	1.50	0
01/10/2020 03:40:00	25.4	121.0	100.0	-0.13	1.50	0
01/10/2020 03:50:00	25.3	121.0	100.0	-0.13	1.50	0
01/10/2020 04:00:00	25.2	121.0	100.0	-0.13	1.50	0
01/10/2020 04:10:00	25.2	121.0	100.0	-0.13	1.50	0
01/10/2020 04:20:00	25.1	121.0	100.0	-0.13	1.50	0
01/10/2020 04:30:00	25.0	121.0	100.0	-0.13	1.50	0
01/10/2020 04:40:00	24.9	121.0	100.0	-0.13	1.50	0
01/10/2020 04:50:00	24.8	121.0	100.0	-0.13	1.50	0
01/10/2020 05:00:00	24.7	121.0	100.0	-0.13	1.50	0
01/10/2020 05:10:00	24.6	121.0	100.0	-0.13	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
01/10/2020 02:40:00	100	162	13.8	16.1	16.6	14.2
01/10/2020 02:50:00	100	162	13.7	16.0	16.6	14.1
01/10/2020 03:00:00	100	162	13.7	16.0	16.5	14.1
01/10/2020 03:10:00	100	162	13.7	16.0	16.5	14.1
01/10/2020 03:20:00	100	162	13.7	16.0	16.5	14.1
01/10/2020 03:30:00	100	162	13.7	15.9	16.5	14.0
01/10/2020 03:40:00	100	162	13.7	15.9	16.4	14.0
01/10/2020 03:50:00	100	162	13.7	15.9	16.4	14.0
01/10/2020 04:00:00	100	162	13.6	15.9	16.4	14.0
01/10/2020 04:10:00	100	162	13.6	15.9	16.4	14.0
01/10/2020 04:20:00	100	162	13.6	15.8	16.4	14.0
01/10/2020 04:30:00	100	162	13.6	15.8	16.4	14.0
01/10/2020 04:40:00	100	162	13.6	15.8	16.3	14.0
01/10/2020 04:50:00	100	162	13.6	15.8	16.3	13.9
01/10/2020 05:00:00	100	162	13.6	15.8	16.3	13.9
01/10/2020 05:10:00	100	162	13.6	15.7	16.3	13.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 02:40:00	16.1	15.2	15.9	15.6	14.8	15.9
01/10/2020 02:50:00	16.1	15.2	15.9	15.6	14.7	15.9
01/10/2020 03:00:00	16.0	15.1	15.9	15.6	14.7	15.9
01/10/2020 03:10:00	16.0	15.1	15.9	15.6	14.7	15.9
01/10/2020 03:20:00	16.0	15.1	15.9	15.6	14.7	15.8
01/10/2020 03:30:00	16.0	15.1	15.8	15.5	14.6	15.8
01/10/2020 03:40:00	16.0	15.1	15.8	15.5	14.7	15.8
01/10/2020 03:50:00	15.9	15.1	15.8	15.5	14.6	15.8
01/10/2020 04:00:00	15.9	15.1	15.8	15.5	14.6	15.8
01/10/2020 04:10:00	15.9	15.0	15.8	15.5	14.6	15.8
01/10/2020 04:20:00	15.9	15.0	15.8	15.5	14.6	15.7
01/10/2020 04:30:00	15.9	15.0	15.7	15.4	14.6	15.7
01/10/2020 04:40:00	15.9	15.0	15.7	15.4	14.6	15.7
01/10/2020 04:50:00	15.8	14.9	15.7	15.4	14.5	15.7
01/10/2020 05:00:00	15.8	14.9	15.7	15.4	14.5	15.7
01/10/2020 05:10:00	15.8	14.9	15.7	15.4	14.5	15.6

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
01/10/2020 02:40:00	16.1	15.9	121.0	15.2
01/10/2020 02:50:00	16.1	15.9	121.0	15.1
01/10/2020 03:00:00	16.0	15.9	121.0	15.1
01/10/2020 03:10:00	16.0	15.9	121.0	15.1
01/10/2020 03:20:00	16.0	15.9	121.0	15.1
01/10/2020 03:30:00	16.0	15.8	121.0	15.1
01/10/2020 03:40:00	16.0	15.8	121.0	15.1
01/10/2020 03:50:00	16.0	15.8	121.0	15.1
01/10/2020 04:00:00	16.0	15.8	121.0	15.0
01/10/2020 04:10:00	16.0	15.8	121.0	15.0
01/10/2020 04:20:00	15.9	15.8	121.0	15.0
01/10/2020 04:30:00	15.9	15.7	121.0	15.0
01/10/2020 04:40:00	15.9	15.7	121.0	15.0
01/10/2020 04:50:00	15.9	15.7	121.0	15.0
01/10/2020 05:00:00	15.9	15.7	121.0	15.0
01/10/2020 05:10:00	15.8	15.7	121.0	15.0

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**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
01/10/2020 05:20:00	24.5	121.0	100.0	-0.13	1.50	0
01/10/2020 05:30:00	24.5	121.0	100.0	-0.13	1.50	0
01/10/2020 05:40:00	24.4	121.0	100.0	-0.13	1.50	0
01/10/2020 05:50:00	24.3	121.0	100.0	-0.13	1.50	0
01/10/2020 06:00:00	24.2	121.0	100.0	-0.13	1.50	0
01/10/2020 06:10:00	24.2	121.0	100.0	-0.13	1.50	0
01/10/2020 06:20:00	24.1	121.0	100.0	-0.13	1.50	0
01/10/2020 06:30:00	24.0	121.0	100.0	-0.13	1.50	0
01/10/2020 06:40:00	23.9	121.0	100.0	-0.13	1.50	0
01/10/2020 06:50:00	23.9	121.0	100.0	-0.13	1.50	0
01/10/2020 07:00:00	23.8	121.0	100.0	-0.13	1.50	0
01/10/2020 07:10:00	23.7	121.0	100.0	-0.13	1.50	0
01/10/2020 07:20:00	23.6	121.0	100.0	-0.13	1.50	0
01/10/2020 07:30:00	23.5	121.0	100.0	-0.13	1.50	0
01/10/2020 07:40:00	23.5	121.0	100.0	-0.13	1.50	0
01/10/2020 07:50:00	23.4	121.0	100.0	-0.13	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
01/10/2020 05:20:00	100	162	13.6	15.7	16.2	13.9
01/10/2020 05:30:00	100	162	13.6	15.7	16.2	13.9
01/10/2020 05:40:00	100	162	13.5	15.7	16.2	13.9
01/10/2020 05:50:00	100	162	13.5	15.7	16.2	13.9
01/10/2020 06:00:00	100	162	13.5	15.6	16.2	13.9
01/10/2020 06:10:00	100	162	13.5	15.6	16.2	13.9
01/10/2020 06:20:00	100	162	13.5	15.6	16.1	13.9
01/10/2020 06:30:00	100	162	13.5	15.6	16.2	13.9
01/10/2020 06:40:00	100	162	13.5	15.6	16.1	13.9
01/10/2020 06:50:00	100	162	13.5	15.6	16.1	13.9
01/10/2020 07:00:00	100	162	13.5	15.6	16.1	13.9
01/10/2020 07:10:00	100	162	13.5	15.6	16.1	13.9
01/10/2020 07:20:00	100	162	13.5	15.6	16.0	13.8
01/10/2020 07:30:00	100	162	13.5	15.5	16.0	13.8
01/10/2020 07:40:00	100	162	13.5	15.5	16.0	13.8
01/10/2020 07:50:00	100	162	13.5	15.5	16.0	13.8

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 05:20:00	15.8	14.9	15.6	15.4	14.5	15.6
01/10/2020 05:30:00	15.8	14.9	15.6	15.4	14.5	15.6
01/10/2020 05:40:00	15.8	14.8	15.6	15.3	14.5	15.6
01/10/2020 05:50:00	15.8	14.8	15.6	15.3	14.5	15.6
01/10/2020 06:00:00	15.7	14.8	15.6	15.3	14.5	15.6
01/10/2020 06:10:00	15.7	14.8	15.6	15.3	14.5	15.6
01/10/2020 06:20:00	15.7	14.8	15.6	15.3	14.5	15.6
01/10/2020 06:30:00	15.7	14.8	15.6	15.3	14.5	15.6
01/10/2020 06:40:00	15.7	14.8	15.5	15.3	14.4	15.5
01/10/2020 06:50:00	15.7	14.8	15.5	15.3	14.4	15.5
01/10/2020 07:00:00	15.7	14.8	15.6	15.3	14.4	15.5
01/10/2020 07:10:00	15.7	14.8	15.5	15.3	14.4	15.5
01/10/2020 07:20:00	15.7	14.7	15.5	15.3	14.4	15.5
01/10/2020 07:30:00	15.6	14.7	15.5	15.2	14.4	15.5
01/10/2020 07:40:00	15.6	14.7	15.5	15.2	14.4	15.5
01/10/2020 07:50:00	15.6	14.7	15.5	15.2	14.4	15.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
01/10/2020 05:20:00	15.8	15.7	121.0	14.9
01/10/2020 05:30:00	15.8	15.7	121.0	14.9
01/10/2020 05:40:00	15.8	15.6	121.0	14.9
01/10/2020 05:50:00	15.8	15.6	121.0	14.9
01/10/2020 06:00:00	15.8	15.6	121.0	14.9
01/10/2020 06:10:00	15.8	15.6	121.0	14.9
01/10/2020 06:20:00	15.8	15.6	121.0	14.9
01/10/2020 06:30:00	15.7	15.6	121.0	14.9
01/10/2020 06:40:00	15.7	15.6	121.0	14.8
01/10/2020 06:50:00	15.7	15.6	121.0	14.8
01/10/2020 07:00:00	15.7	15.5	121.0	14.8
01/10/2020 07:10:00	15.7	15.5	121.0	14.8
01/10/2020 07:20:00	15.7	15.5	121.0	14.8
01/10/2020 07:30:00	15.7	15.5	121.0	14.8
01/10/2020 07:40:00	15.7	15.5	121.0	14.8
01/10/2020 07:50:00	15.7	15.5	121.0	14.8

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:36		Page 220 of 905

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
01/10/2020 08:00:00	23.3	121.0	100.0	-0.13	1.50	0
01/10/2020 08:10:00	23.3	121.0	100.0	-0.13	1.50	0
01/10/2020 08:20:00	23.2	121.0	100.0	-0.13	1.50	0
01/10/2020 08:30:00	23.1	121.0	100.0	-0.13	1.50	0
01/10/2020 08:40:00	23.1	121.0	100.0	-0.13	1.50	0
01/10/2020 08:50:00	23.0	121.0	100.0	-0.13	1.50	0
01/10/2020 09:00:00	22.9	121.0	100.0	-0.13	1.50	0
01/10/2020 09:10:00	22.9	121.0	100.0	-0.13	1.50	0
01/10/2020 09:20:00	22.8	121.0	100.0	-0.13	1.50	0
01/10/2020 09:30:00	22.7	121.0	100.0	-0.13	1.50	0
01/10/2020 09:40:00	22.7	121.0	100.0	-0.13	1.50	0
01/10/2020 09:50:00	22.6	121.0	100.0	-0.13	1.50	0
01/10/2020 10:00:00	22.5	121.0	100.0	-0.13	1.50	0
01/10/2020 10:10:00	22.5	121.0	100.0	-0.13	1.50	0
01/10/2020 10:20:00	22.5	121.0	100.0	-0.13	1.50	0
01/10/2020 10:30:00	22.5	121.0	100.0	-0.12	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
01/10/2020 08:00:00	100	162	13.5	15.5	16.0	13.8
01/10/2020 08:10:00	100	162	13.5	15.5	16.0	13.8
01/10/2020 08:20:00	100	162	13.4	15.5	16.0	13.8
01/10/2020 08:30:00	100	162	13.4	15.5	16.0	13.8
01/10/2020 08:40:00	100	162	13.4	15.5	16.0	13.8
01/10/2020 08:50:00	100	162	13.5	15.5	16.0	13.8
01/10/2020 09:00:00	100	162	13.4	15.5	15.9	13.8
01/10/2020 09:10:00	100	162	13.4	15.5	15.9	13.8
01/10/2020 09:20:00	100	162	13.4	15.4	15.9	13.8
01/10/2020 09:30:00	100	162	13.4	15.4	15.9	13.7
01/10/2020 09:40:00	100	162	13.4	15.4	15.9	13.8
01/10/2020 09:50:00	100	162	13.4	15.4	15.8	13.8
01/10/2020 10:00:00	100	162	13.4	15.4	15.8	13.8
01/10/2020 10:10:00	100	162	13.4	15.4	15.8	13.8
01/10/2020 10:20:00	100	162	13.5	15.4	15.9	14.0
01/10/2020 10:30:00	100	162	13.8	22.2	16.4	15.2

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 08:00:00	15.6	14.7	15.5	15.2	14.4	15.5
01/10/2020 08:10:00	15.6	14.7	15.5	15.2	14.4	15.5
01/10/2020 08:20:00	15.6	14.7	15.5	15.2	14.4	15.5
01/10/2020 08:30:00	15.6	14.7	15.5	15.2	14.4	15.5
01/10/2020 08:40:00	15.6	14.7	15.5	15.2	14.4	15.5
01/10/2020 08:50:00	15.6	14.7	15.5	15.2	14.4	15.5
01/10/2020 09:00:00	15.6	14.7	15.4	15.2	14.4	15.5
01/10/2020 09:10:00	15.6	14.6	15.4	15.2	14.3	15.4
01/10/2020 09:20:00	15.5	14.6	15.4	15.2	14.3	15.4
01/10/2020 09:30:00	15.6	14.6	15.4	15.2	14.3	15.4
01/10/2020 09:40:00	15.5	14.6	15.4	15.2	14.3	15.4
01/10/2020 09:50:00	15.6	14.6	15.4	15.2	14.4	15.5
01/10/2020 10:00:00	15.6	14.6	15.4	15.2	14.4	15.4
01/10/2020 10:10:00	15.6	14.6	15.4	15.2	14.4	15.4
01/10/2020 10:20:00	15.7	15.0	15.6	15.3	14.7	15.6
01/10/2020 10:30:00	16.2	15.7	16.2	15.9	15.6	16.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
01/10/2020 08:00:00	15.7	15.5	121.0	14.8
01/10/2020 08:10:00	15.7	15.5	121.0	14.8
01/10/2020 08:20:00	15.7	15.5	121.0	14.8
01/10/2020 08:30:00	15.7	15.5	121.0	14.8
01/10/2020 08:40:00	15.7	15.5	121.0	14.8
01/10/2020 08:50:00	15.7	15.5	121.0	14.8
01/10/2020 09:00:00	15.6	15.5	121.0	14.8
01/10/2020 09:10:00	15.6	15.5	121.0	14.7
01/10/2020 09:20:00	15.6	15.4	121.0	14.7
01/10/2020 09:30:00	15.6	15.4	121.0	14.7
01/10/2020 09:40:00	15.6	15.5	121.0	14.7
01/10/2020 09:50:00	15.6	15.5	121.0	14.7
01/10/2020 10:00:00	15.6	15.5	121.0	14.7
01/10/2020 10:10:00	15.6	15.5	121.0	14.7
01/10/2020 10:20:00	15.8	15.6	121.0	15.0
01/10/2020 10:30:00	16.5	16.3	121.0	15.8

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSF.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSF.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSF.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
01/10/2020 10:40:00	22.5	121.0	100.0	-0.12	1.50	0
01/10/2020 10:50:00	22.5	121.0	100.0	-0.12	1.50	0
01/10/2020 11:00:00	26.2	121.0	100.0	-0.02	1.50	100
01/10/2020 11:10:00	26.2	121.0	100.0	-0.02	1.50	100
01/10/2020 11:20:00	47.7	121.0	100.0	0.05	1.50	100
01/10/2020 11:30:00	85.8	121.0	100.0	-0.01	1.50	100
01/10/2020 11:40:00	99.7	121.0	100.0	0.15	1.50	100
01/10/2020 11:50:00	101.9	121.0	100.0	0.24	1.50	0
01/10/2020 12:00:00	100.1	121.0	100.0	0.18	1.50	0
01/10/2020 12:10:00	98.6	121.0	100.0	0.13	1.50	0
01/10/2020 12:20:00	105.1	105.0	100.0	0.39	1.50	0
01/10/2020 12:30:00	105.3	105.0	100.0	0.40	1.50	0
01/10/2020 12:40:00	79.3	105.0	100.0	1.50	1.50	0
01/10/2020 12:50:00	58.1	105.0	100.0	1.50	1.50	0
01/10/2020 13:00:00	46.3	105.0	100.0	1.50	1.50	0
01/10/2020 13:10:00	43.1	105.0	100.0	1.50	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
01/10/2020 10:40:00	100	162	14.2	22.5	17.0	16.2
01/10/2020 10:50:00	100	162	14.6	12.8	17.7	17.2
01/10/2020 11:00:00	100	155	19.0	10.3	18.2	17.9
01/10/2020 11:10:00	100	154	18.3	9.9	18.6	18.7
01/10/2020 11:20:00	100	128	18.4	9.8	19.1	19.1
01/10/2020 11:30:00	100	129	19.1	9.8	19.8	19.2
01/10/2020 11:40:00	100	129	19.6	9.7	99.6	19.5
01/10/2020 11:50:00	100	129	19.6	10.3	55.5	20.6
01/10/2020 12:00:00	100	129	19.3	11.7	35.7	20.4
01/10/2020 12:10:00	100	129	19.0	10.2	29.2	20.2
01/10/2020 12:20:00	100	127	128.4	10.3	104.7	127.3
01/10/2020 12:30:00	100	127	128.8	10.1	104.8	127.7
01/10/2020 12:40:00	100	154	78.5	8.2	52.0	47.2
01/10/2020 12:50:00	100	153	52.0	7.8	36.1	29.3
01/10/2020 13:00:00	100	153	36.1	8.0	30.0	24.1
01/10/2020 13:10:00	100	153	27.9	8.2	26.8	21.6

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 10:40:00	16.8	16.4	16.8	16.6	16.4	17.4
01/10/2020 10:50:00	17.5	17.2	17.6	17.3	17.2	18.4
01/10/2020 11:00:00	18.1	17.7	18.1	17.8	17.7	18.8
01/10/2020 11:10:00	18.7	18.0	18.5	18.2	17.9	19.3
01/10/2020 11:20:00	19.2	18.3	19.3	18.5	18.0	18.8
01/10/2020 11:30:00	20.0	18.8	20.7	18.9	18.3	19.8
01/10/2020 11:40:00	98.5	98.5	99.5	97.9	98.1	98.7
01/10/2020 11:50:00	55.0	52.5	55.9	56.5	48.5	48.4
01/10/2020 12:00:00	35.6	34.2	37.6	36.4	31.3	29.6
01/10/2020 12:10:00	29.4	28.8	30.7	28.9	25.8	24.7
01/10/2020 12:20:00	104.3	103.9	104.6	104.2	103.6	103.7
01/10/2020 12:30:00	104.4	104.0	104.8	104.4	103.9	103.9
01/10/2020 12:40:00	50.6	48.9	52.8	54.9	46.4	44.7
01/10/2020 12:50:00	34.0	35.4	38.4	38.5	32.5	30.9
01/10/2020 13:00:00	28.6	29.7	31.4	31.4	27.1	26.1
01/10/2020 13:10:00	25.8	26.7	27.7	27.4	24.4	23.8

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
01/10/2020 10:40:00	17.4	17.1	121.0	16.6
01/10/2020 10:50:00	18.4	18.0	121.0	17.5
01/10/2020 11:00:00	18.8	18.4	121.0	18.0
01/10/2020 11:10:00	19.2	125.2	121.0	125.4
01/10/2020 11:20:00	19.5	45.5	121.0	41.3
01/10/2020 11:30:00	19.9	30.2	121.0	30.7
01/10/2020 11:40:00	99.9	26.0	121.0	26.4
01/10/2020 11:50:00	50.5	24.8	121.0	24.0
01/10/2020 12:00:00	30.8	23.8	121.0	23.0
01/10/2020 12:10:00	25.5	23.0	121.0	22.3
01/10/2020 12:20:00	104.8	23.7	121.0	22.3
01/10/2020 12:30:00	104.9	24.5	121.0	22.7
01/10/2020 12:40:00	45.3	24.1	121.0	22.7
01/10/2020 12:50:00	31.4	23.0	121.0	22.4
01/10/2020 13:00:00	26.5	22.3	121.0	22.0
01/10/2020 13:10:00	24.2	21.8	121.0	21.7

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**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
01/10/2020 13:20:00	41.9	105.0	100.0	1.50	1.50	0
01/10/2020 13:30:00	41.3	105.0	100.0	1.50	1.50	0
01/10/2020 13:40:00	40.9	105.0	100.0	1.50	1.50	0
01/10/2020 13:50:00	40.6	105.0	100.0	1.50	1.50	0
01/10/2020 14:00:00	40.3	105.0	100.0	1.50	1.50	0
01/10/2020 14:10:00	48.3	121.0	100.0	0.10	1.50	100
01/10/2020 14:20:00	85.8	121.0	100.0	0.05	1.50	100
01/10/2020 14:30:00	100.3	121.0	100.0	0.21	1.50	100
01/10/2020 14:40:00	108.1	121.0	100.0	0.54	1.50	100
01/10/2020 14:50:00	112.0	121.0	100.0	0.74	1.50	100
01/10/2020 15:00:00	113.7	121.0	100.0	0.83	1.50	100
01/10/2020 15:10:00	113.7	121.0	100.0	0.83	1.50	0
01/10/2020 15:20:00	111.8	121.0	100.0	0.71	1.50	0
01/10/2020 15:30:00	108.8	121.0	100.0	0.58	1.50	100
01/10/2020 15:40:00	107.5	121.0	100.0	0.51	1.50	0
01/10/2020 15:50:00	105.6	121.0	100.0	1.76	1.50	100

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
01/10/2020 13:20:00	100	153	23.5	9.3	24.8	20.5
01/10/2020 13:30:00	100	153	21.0	9.5	23.5	19.9
01/10/2020 13:40:00	100	153	19.5	9.5	22.6	19.5
01/10/2020 13:50:00	100	153	18.9	9.5	22.0	19.4
01/10/2020 14:00:00	100	153	18.4	9.5	21.6	19.3
01/10/2020 14:10:00	100	125	18.2	9.6	21.2	19.3
01/10/2020 14:20:00	100	126	19.2	9.6	21.4	20.4
01/10/2020 14:30:00	100	126	19.9	9.6	100.5	21.4
01/10/2020 14:40:00	100	126	19.9	9.6	108.2	22.5
01/10/2020 14:50:00	100	126	19.8	9.6	112.0	22.9
01/10/2020 15:00:00	100	125	19.9	9.6	113.6	23.3
01/10/2020 15:10:00	100	124	118.9	9.5	101.3	115.9
01/10/2020 15:20:00	100	125	69.1	9.4	51.2	44.6
01/10/2020 15:30:00	100	123	49.0	9.4	108.6	30.0
01/10/2020 15:40:00	100	123	36.7	9.4	64.4	25.1
01/10/2020 15:50:00	100	132	90.3	9.5	87.4	89.2

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 13:20:00	24.1	24.8	25.6	25.0	22.7	22.6
01/10/2020 13:30:00	23.0	23.5	24.3	23.6	21.7	21.9
01/10/2020 13:40:00	22.2	22.7	23.3	22.5	21.0	21.4
01/10/2020 13:50:00	21.6	22.1	22.6	21.7	20.4	20.9
01/10/2020 14:00:00	21.1	21.7	22.1	21.2	19.9	20.7
01/10/2020 14:10:00	20.8	21.4	21.7	20.7	19.7	22.8
01/10/2020 14:20:00	21.1	21.2	22.0	20.7	19.8	21.1
01/10/2020 14:30:00	99.9	99.5	100.5	99.9	99.2	99.5
01/10/2020 14:40:00	107.5	107.2	108.2	107.6	107.1	107.1
01/10/2020 14:50:00	111.3	111.0	111.9	111.3	110.9	110.9
01/10/2020 15:00:00	112.9	112.6	113.5	113.0	112.6	112.6
01/10/2020 15:10:00	105.7	105.4	106.6	104.1	104.8	100.8
01/10/2020 15:20:00	50.8	49.1	50.0	52.7	47.0	42.6
01/10/2020 15:30:00	108.2	107.8	108.5	108.1	107.6	107.8
01/10/2020 15:40:00	62.7	61.2	62.2	63.7	56.2	55.9
01/10/2020 15:50:00	85.5	84.7	87.2	87.6	81.2	87.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
01/10/2020 13:20:00	22.9	21.3	121.0	21.4
01/10/2020 13:30:00	22.0	21.1	121.0	21.1
01/10/2020 13:40:00	21.5	20.8	121.0	20.8
01/10/2020 13:50:00	21.1	20.6	121.0	20.5
01/10/2020 14:00:00	20.8	20.5	121.0	20.3
01/10/2020 14:10:00	23.2	20.3	121.0	20.1
01/10/2020 14:20:00	21.5	21.0	121.0	20.0
01/10/2020 14:30:00	100.6	100.5	121.0	20.2
01/10/2020 14:40:00	108.1	108.2	121.0	20.5
01/10/2020 14:50:00	112.0	112.0	121.0	20.7
01/10/2020 15:00:00	113.6	113.6	121.0	21.0
01/10/2020 15:10:00	103.6	54.3	121.0	21.6
01/10/2020 15:20:00	46.7	35.5	121.0	22.2
01/10/2020 15:30:00	108.7	108.5	121.0	22.1
01/10/2020 15:40:00	58.3	51.8	121.0	22.2
01/10/2020 15:50:00	85.4	66.5	121.0	22.2

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**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
01/10/2020 16:00:00	71.6	121.0	100.0	1.46	1.50	0
01/10/2020 16:10:00	65.5	121.0	100.0	1.34	1.50	0
01/10/2020 16:20:00	63.5	121.0	100.0	1.28	1.50	0
01/10/2020 16:30:00	57.2	121.0	100.0	-0.02	1.50	0
01/10/2020 16:40:00	50.9	121.0	100.0	-0.05	1.50	0
01/10/2020 16:50:00	49.3	121.0	100.0	-0.07	1.50	0
01/10/2020 17:00:00	48.5	121.0	100.0	-0.09	1.50	0
01/10/2020 17:10:00	48.0	121.0	100.0	-0.11	1.50	0
01/10/2020 17:20:00	47.7	121.0	100.0	-0.11	1.50	0
01/10/2020 17:30:00	47.4	121.0	100.0	-0.12	1.50	0
01/10/2020 17:40:00	47.2	121.0	100.0	-0.13	1.50	0
01/10/2020 17:50:00	46.9	121.0	100.0	-0.14	1.50	0
01/10/2020 18:00:00	46.6	121.0	100.0	-0.14	1.50	0
01/10/2020 18:10:00	46.4	121.0	100.0	-0.15	1.50	0
01/10/2020 18:20:00	46.2	121.0	100.0	-0.15	1.50	0
01/10/2020 18:30:00	45.9	121.0	100.0	-0.15	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
01/10/2020 16:00:00	100	149	54.2	8.1	44.2	31.1
01/10/2020 16:10:00	100	150	36.1	9.8	33.4	23.7
01/10/2020 16:20:00	100	150	34.2	8.5	30.8	23.4
01/10/2020 16:30:00	100	143	31.9	10.1	29.1	23.3
01/10/2020 16:40:00	100	139	31.3	12.0	28.2	23.2
01/10/2020 16:50:00	100	140	30.1	14.3	27.4	23.1
01/10/2020 17:00:00	100	141	28.9	15.9	26.9	23.1
01/10/2020 17:10:00	100	142	28.0	17.0	26.6	23.2
01/10/2020 17:20:00	100	142	27.4	17.8	26.4	23.4
01/10/2020 17:30:00	100	142	26.9	18.4	26.3	23.5
01/10/2020 17:40:00	100	143	26.5	18.8	26.2	23.7
01/10/2020 17:50:00	100	143	26.2	19.5	26.2	23.9
01/10/2020 18:00:00	100	143	26.0	20.2	26.2	24.0
01/10/2020 18:10:00	100	143	25.8	20.8	26.2	24.1
01/10/2020 18:20:00	100	144	25.6	21.4	26.2	24.1
01/10/2020 18:30:00	100	144	25.4	21.9	26.3	24.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 16:00:00	42.5	42.7	46.6	46.3	39.1	41.9
01/10/2020 16:10:00	32.8	33.9	35.7	35.3	30.5	30.6
01/10/2020 16:20:00	30.2	31.2	32.2	31.9	29.1	28.0
01/10/2020 16:30:00	28.6	29.3	30.1	30.0	28.2	27.0
01/10/2020 16:40:00	27.6	28.2	28.7	29.0	27.5	26.9
01/10/2020 16:50:00	26.9	27.4	27.9	28.4	27.0	26.8
01/10/2020 17:00:00	26.5	26.9	27.3	28.0	26.7	26.9
01/10/2020 17:10:00	26.2	26.6	26.9	27.7	26.3	26.9
01/10/2020 17:20:00	26.1	26.4	26.6	27.6	26.2	26.9
01/10/2020 17:30:00	26.0	26.3	26.5	27.5	26.1	27.0
01/10/2020 17:40:00	26.0	26.3	26.4	27.4	26.1	27.0
01/10/2020 17:50:00	26.0	26.2	26.4	27.3	26.2	27.1
01/10/2020 18:00:00	26.0	26.1	26.5	27.2	26.3	27.1
01/10/2020 18:10:00	26.0	26.1	26.5	27.2	26.4	27.2
01/10/2020 18:20:00	26.1	26.2	26.6	27.1	26.5	27.2
01/10/2020 18:30:00	26.1	26.3	26.6	27.0	26.5	27.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
01/10/2020 16:00:00	42.4	33.9	121.0	22.3
01/10/2020 16:10:00	31.5	27.2	121.0	22.2
01/10/2020 16:20:00	28.8	26.1	121.0	22.8
01/10/2020 16:30:00	27.7	25.8	121.0	23.3
01/10/2020 16:40:00	27.4	25.4	121.0	24.0
01/10/2020 16:50:00	27.3	25.3	121.0	24.5
01/10/2020 17:00:00	27.3	25.2	121.0	24.8
01/10/2020 17:10:00	27.3	25.2	121.0	25.1
01/10/2020 17:20:00	27.3	25.3	121.0	25.4
01/10/2020 17:30:00	27.3	25.4	121.0	25.6
01/10/2020 17:40:00	27.3	25.5	121.0	25.8
01/10/2020 17:50:00	27.4	25.7	121.0	25.9
01/10/2020 18:00:00	27.4	25.8	121.0	26.1
01/10/2020 18:10:00	27.5	25.9	121.0	26.2
01/10/2020 18:20:00	27.5	26.1	121.0	26.4
01/10/2020 18:30:00	27.6	26.3	121.0	26.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSF.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSF.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSF.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
01/10/2020 18:40:00	45.7	121.0	100.0	-0.15	1.50	0
01/10/2020 18:50:00	45.5	121.0	100.0	-0.16	1.50	0
01/10/2020 19:00:00	45.3	121.0	100.0	-0.16	1.50	0
01/10/2020 19:10:00	45.0	121.0	100.0	-0.16	1.50	0
01/10/2020 19:20:00	44.8	121.0	100.0	-0.16	1.50	0
01/10/2020 19:30:00	44.6	121.0	100.0	-0.16	1.50	0
01/10/2020 19:40:00	44.4	121.0	100.0	-0.17	1.50	0
01/10/2020 19:50:00	44.2	121.0	100.0	-0.17	1.50	0
01/10/2020 20:00:00	44.0	121.0	100.0	-0.17	1.50	0
01/10/2020 20:10:00	43.8	121.0	100.0	-0.17	1.50	0
01/10/2020 20:20:00	43.6	121.0	100.0	-0.17	1.50	0
01/10/2020 20:30:00	43.4	121.0	100.0	-0.17	1.50	0
01/10/2020 20:40:00	43.2	121.0	100.0	-0.17	1.50	0
01/10/2020 20:50:00	43.1	121.0	100.0	-0.17	1.50	0
01/10/2020 21:00:00	42.9	121.0	100.0	-0.17	1.50	0
01/10/2020 21:10:00	42.7	121.0	100.0	-0.17	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
01/10/2020 18:40:00	100	141	25.3	22.4	26.3	24.0
01/10/2020 18:50:00	100	142	25.2	22.8	26.4	24.0
01/10/2020 19:00:00	100	143	25.1	23.1	26.4	24.0
01/10/2020 19:10:00	100	142	25.0	23.4	26.5	24.1
01/10/2020 19:20:00	100	143	25.0	23.7	26.5	24.1
01/10/2020 19:30:00	100	143	24.9	23.9	26.6	24.1
01/10/2020 19:40:00	100	143	24.9	24.1	26.6	24.2
01/10/2020 19:50:00	100	144	24.9	24.3	26.7	24.2
01/10/2020 20:00:00	100	144	24.9	24.5	26.7	24.3
01/10/2020 20:10:00	100	144	24.8	24.7	26.8	24.3
01/10/2020 20:20:00	100	144	24.8	24.8	26.8	24.4
01/10/2020 20:30:00	100	144	24.8	25.0	26.8	24.5
01/10/2020 20:40:00	100	144	24.9	25.1	26.9	24.5
01/10/2020 20:50:00	100	144	24.9	25.3	26.9	24.6
01/10/2020 21:00:00	100	144	24.9	25.4	27.0	24.6
01/10/2020 21:10:00	100	144	24.9	25.5	27.0	24.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 18:40:00	26.1	26.3	26.7	27.0	26.5	27.4
01/10/2020 18:50:00	26.2	26.4	26.7	27.0	26.5	27.4
01/10/2020 19:00:00	26.2	26.4	26.8	27.1	26.5	27.4
01/10/2020 19:10:00	26.2	26.5	26.9	27.1	26.6	27.5
01/10/2020 19:20:00	26.3	26.5	26.9	27.1	26.6	27.5
01/10/2020 19:30:00	26.3	26.6	27.0	27.1	26.7	27.6
01/10/2020 19:40:00	26.4	26.6	27.0	27.2	26.7	27.6
01/10/2020 19:50:00	26.4	26.6	27.1	27.1	26.8	27.7
01/10/2020 20:00:00	26.5	26.7	27.1	27.2	26.8	27.7
01/10/2020 20:10:00	26.5	26.7	27.2	27.2	26.8	27.7
01/10/2020 20:20:00	26.5	26.8	27.2	27.2	26.9	27.7
01/10/2020 20:30:00	26.6	26.8	27.2	27.2	26.9	27.8
01/10/2020 20:40:00	26.6	26.8	27.3	27.2	26.9	27.8
01/10/2020 20:50:00	26.7	26.9	27.3	27.3	27.0	27.8
01/10/2020 21:00:00	26.7	26.9	27.3	27.3	27.0	27.9
01/10/2020 21:10:00	26.7	26.9	27.4	27.3	27.0	27.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
01/10/2020 18:40:00	27.6	26.4	121.0	26.6
01/10/2020 18:50:00	27.7	26.5	121.0	26.7
01/10/2020 19:00:00	27.7	26.6	121.0	26.8
01/10/2020 19:10:00	27.7	26.7	121.0	26.8
01/10/2020 19:20:00	27.8	26.7	121.0	26.9
01/10/2020 19:30:00	27.8	26.8	121.0	26.9
01/10/2020 19:40:00	27.8	26.9	121.0	27.0
01/10/2020 19:50:00	27.9	26.9	121.0	27.1
01/10/2020 20:00:00	27.9	27.0	121.0	27.1
01/10/2020 20:10:00	27.9	27.0	121.0	27.2
01/10/2020 20:20:00	28.0	27.1	121.0	27.2
01/10/2020 20:30:00	28.0	27.1	121.0	27.2
01/10/2020 20:40:00	28.0	27.2	121.0	27.3
01/10/2020 20:50:00	28.0	27.2	121.0	27.3
01/10/2020 21:00:00	28.1	27.2	121.0	27.4
01/10/2020 21:10:00	28.1	27.3	121.0	27.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
01/10/2020 21:20:00	42.5	121.0	100.0	-0.17	1.50	0
01/10/2020 21:30:00	42.4	121.0	100.0	-0.17	1.50	0
01/10/2020 21:40:00	42.2	121.0	100.0	-0.17	1.50	0
01/10/2020 21:50:00	42.1	121.0	100.0	-0.17	1.50	0
01/10/2020 22:00:00	41.9	121.0	100.0	-0.17	1.50	0
01/10/2020 22:10:00	41.8	121.0	100.0	-0.17	1.50	0
01/10/2020 22:20:00	41.6	121.0	100.0	-0.17	1.50	0
01/10/2020 22:30:00	41.5	121.0	100.0	-0.17	1.50	0
01/10/2020 22:40:00	41.4	121.0	100.0	-0.17	1.50	0
01/10/2020 22:50:00	41.2	121.0	100.0	-0.17	1.50	0
01/10/2020 23:00:00	41.1	121.0	100.0	-0.17	1.50	0
01/10/2020 23:10:00	41.0	121.0	100.0	-0.17	1.50	0
01/10/2020 23:20:00	40.8	121.0	100.0	-0.17	1.50	0
01/10/2020 23:30:00	40.7	121.0	100.0	-0.17	1.50	0
01/10/2020 23:40:00	40.6	121.0	100.0	-0.17	1.50	0
01/10/2020 23:50:00	40.4	121.0	100.0	-0.16	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
01/10/2020 21:20:00	100	144	24.9	25.6	27.0	24.7
01/10/2020 21:30:00	100	144	24.9	25.7	27.1	24.7
01/10/2020 21:40:00	100	144	24.9	25.8	27.1	24.8
01/10/2020 21:50:00	100	144	25.0	25.9	27.1	24.9
01/10/2020 22:00:00	100	144	25.0	26.0	27.2	24.9
01/10/2020 22:10:00	100	144	25.0	26.1	27.2	24.9
01/10/2020 22:20:00	100	144	25.0	26.2	27.2	24.9
01/10/2020 22:30:00	100	144	25.0	26.2	27.3	24.9
01/10/2020 22:40:00	100	144	25.1	26.3	27.3	24.9
01/10/2020 22:50:00	100	144	25.1	26.4	27.3	24.9
01/10/2020 23:00:00	100	144	25.1	26.4	27.3	24.9
01/10/2020 23:10:00	100	144	25.1	26.5	27.3	24.9
01/10/2020 23:20:00	100	144	25.2	26.6	27.4	25.0
01/10/2020 23:30:00	100	145	25.2	26.6	27.4	25.1
01/10/2020 23:40:00	100	145	25.2	26.7	27.4	25.2
01/10/2020 23:50:00	100	145	25.2	26.7	27.4	25.2

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
01/10/2020 21:20:00	26.8	27.0	27.4	27.3	27.1	27.9
01/10/2020 21:30:00	26.8	27.0	27.4	27.4	27.1	28.0
01/10/2020 21:40:00	26.8	27.0	27.4	27.4	27.2	28.0
01/10/2020 21:50:00	26.9	27.1	27.4	27.4	27.2	28.0
01/10/2020 22:00:00	26.9	27.1	27.5	27.4	27.2	28.0
01/10/2020 22:10:00	26.9	27.1	27.5	27.5	27.3	28.0
01/10/2020 22:20:00	27.0	27.2	27.5	27.5	27.3	28.1
01/10/2020 22:30:00	27.0	27.2	27.5	27.5	27.3	28.1
01/10/2020 22:40:00	27.0	27.2	27.5	27.5	27.3	28.1
01/10/2020 22:50:00	27.1	27.2	27.6	27.5	27.4	28.1
01/10/2020 23:00:00	27.1	27.3	27.6	27.6	27.4	28.2
01/10/2020 23:10:00	27.1	27.3	27.6	27.6	27.4	28.2
01/10/2020 23:20:00	27.1	27.3	27.6	27.6	27.4	28.2
01/10/2020 23:30:00	27.2	27.3	27.6	27.6	27.5	28.2
01/10/2020 23:40:00	27.2	27.4	27.6	27.6	27.5	28.3
01/10/2020 23:50:00	27.2	27.4	27.7	27.7	27.5	28.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
01/10/2020 21:20:00	28.1	27.3	121.0	27.4
01/10/2020 21:30:00	28.2	27.3	121.0	27.5
01/10/2020 21:40:00	28.2	27.4	121.0	27.5
01/10/2020 21:50:00	28.2	27.4	121.0	27.6
01/10/2020 22:00:00	28.2	27.4	121.0	27.6
01/10/2020 22:10:00	28.3	27.5	121.0	27.6
01/10/2020 22:20:00	28.3	27.5	121.0	27.7
01/10/2020 22:30:00	28.3	27.5	121.0	27.7
01/10/2020 22:40:00	28.3	27.5	121.0	27.7
01/10/2020 22:50:00	28.3	27.6	121.0	27.7
01/10/2020 23:00:00	28.4	27.6	121.0	27.8
01/10/2020 23:10:00	28.4	27.6	121.0	27.8
01/10/2020 23:20:00	28.4	27.6	121.0	27.8
01/10/2020 23:30:00	28.4	27.7	121.0	27.8
01/10/2020 23:40:00	28.5	27.7	121.0	27.9
01/10/2020 23:50:00	28.5	27.7	121.0	27.9

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:37		Page 244 of 905

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
02/10/2020 00:00:00	40.3	121.0	100.0	-0.16	1.50	0
02/10/2020 00:10:00	40.2	121.0	100.0	-0.16	1.50	0
02/10/2020 00:20:00	40.1	121.0	100.0	-0.16	1.50	0
02/10/2020 00:30:00	40.0	121.0	100.0	-0.16	1.50	0
02/10/2020 00:40:00	39.9	121.0	100.0	-0.16	1.50	0
02/10/2020 00:50:00	39.8	121.0	100.0	-0.16	1.50	0
02/10/2020 01:00:00	39.7	121.0	100.0	-0.16	1.50	0
02/10/2020 01:10:00	39.5	121.0	100.0	-0.16	1.50	0
02/10/2020 01:20:00	39.4	121.0	100.0	-0.16	1.50	0
02/10/2020 01:30:00	39.3	121.0	100.0	-0.16	1.50	0
02/10/2020 01:40:00	39.2	121.0	100.0	-0.16	1.50	0
02/10/2020 01:50:00	39.1	121.0	100.0	-0.16	1.50	0
02/10/2020 02:00:00	39.0	121.0	100.0	-0.16	1.50	0
02/10/2020 02:10:00	38.9	121.0	100.0	-0.16	1.50	0
02/10/2020 02:20:00	38.8	121.0	100.0	-0.16	1.50	0
02/10/2020 02:30:00	38.7	121.0	100.0	-0.16	1.50	0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:37		Page 245 of 905

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
02/10/2020 00:00:00	100	145	25.2	26.8	27.4	25.3
02/10/2020 00:10:00	100	145	25.3	26.8	27.5	25.3
02/10/2020 00:20:00	100	145	25.3	26.9	27.5	25.4
02/10/2020 00:30:00	100	145	25.3	26.9	27.5	25.4
02/10/2020 00:40:00	100	145	25.3	27.0	27.5	25.5
02/10/2020 00:50:00	100	145	25.4	27.0	27.6	25.5
02/10/2020 01:00:00	100	145	25.4	27.0	27.6	25.5
02/10/2020 01:10:00	100	145	25.4	27.1	27.6	25.5
02/10/2020 01:20:00	100	145	25.4	27.1	27.6	25.5
02/10/2020 01:30:00	100	145	25.4	27.1	27.6	25.5
02/10/2020 01:40:00	100	145	25.5	27.2	27.6	25.6
02/10/2020 01:50:00	100	145	25.5	27.2	27.6	25.6
02/10/2020 02:00:00	100	145	25.5	27.2	27.7	25.6
02/10/2020 02:10:00	100	145	25.5	27.3	27.7	25.6
02/10/2020 02:20:00	100	145	25.5	27.3	27.7	25.6
02/10/2020 02:30:00	100	145	25.5	27.3	27.7	25.6

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 00:00:00	27.2	27.4	27.7	27.7	27.5	28.3
02/10/2020 00:10:00	27.2	27.4	27.7	27.7	27.5	28.3
02/10/2020 00:20:00	27.3	27.5	27.7	27.7	27.5	28.3
02/10/2020 00:30:00	27.3	27.5	27.7	27.8	27.5	28.4
02/10/2020 00:40:00	27.3	27.5	27.7	27.8	27.5	28.4
02/10/2020 00:50:00	27.3	27.5	27.8	27.8	27.6	28.4
02/10/2020 01:00:00	27.3	27.5	27.8	27.8	27.6	28.4
02/10/2020 01:10:00	27.3	27.5	27.8	27.8	27.6	28.4
02/10/2020 01:20:00	27.4	27.5	27.8	27.8	27.6	28.4
02/10/2020 01:30:00	27.4	27.6	27.8	27.8	27.6	28.4
02/10/2020 01:40:00	27.4	27.6	27.8	27.8	27.6	28.4
02/10/2020 01:50:00	27.4	27.6	27.8	27.8	27.6	28.4
02/10/2020 02:00:00	27.4	27.6	27.8	27.8	27.7	28.5
02/10/2020 02:10:00	27.4	27.6	27.8	27.8	27.7	28.5
02/10/2020 02:20:00	27.4	27.6	27.8	27.9	27.7	28.5
02/10/2020 02:30:00	27.4	27.6	27.9	27.9	27.7	28.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
02/10/2020 00:00:00	28.5	27.8	121.0	27.9
02/10/2020 00:10:00	28.5	27.8	121.0	27.9
02/10/2020 00:20:00	28.5	27.8	121.0	28.0
02/10/2020 00:30:00	28.5	27.8	121.0	28.0
02/10/2020 00:40:00	28.6	27.8	121.0	28.0
02/10/2020 00:50:00	28.6	27.9	121.0	28.0
02/10/2020 01:00:00	28.6	27.9	121.0	28.0
02/10/2020 01:10:00	28.6	27.9	121.0	28.0
02/10/2020 01:20:00	28.6	27.9	121.0	28.0
02/10/2020 01:30:00	28.6	27.9	121.0	28.1
02/10/2020 01:40:00	28.6	27.9	121.0	28.1
02/10/2020 01:50:00	28.6	27.9	121.0	28.1
02/10/2020 02:00:00	28.6	27.9	121.0	28.1
02/10/2020 02:10:00	28.6	28.0	121.0	28.1
02/10/2020 02:20:00	28.6	28.0	121.0	28.1
02/10/2020 02:30:00	28.7	28.0	121.0	28.1

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**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
02/10/2020 02:40:00	38.6	121.0	100.0	-0.15	1.50	0
02/10/2020 02:50:00	38.6	121.0	100.0	-0.15	1.50	0
02/10/2020 03:00:00	38.5	121.0	100.0	-0.15	1.50	0
02/10/2020 03:10:00	38.4	121.0	100.0	-0.15	1.50	0
02/10/2020 03:20:00	38.3	121.0	100.0	-0.15	1.50	0
02/10/2020 03:30:00	38.2	121.0	100.0	-0.15	1.50	0
02/10/2020 03:40:00	38.1	121.0	100.0	-0.15	1.50	0
02/10/2020 03:50:00	38.0	121.0	100.0	-0.15	1.50	0
02/10/2020 04:00:00	37.9	121.0	100.0	-0.15	1.50	0
02/10/2020 04:10:00	37.8	121.0	100.0	-0.15	1.50	0
02/10/2020 04:20:00	37.7	121.0	100.0	-0.15	1.50	0
02/10/2020 04:30:00	37.7	121.0	100.0	-0.15	1.50	0
02/10/2020 04:40:00	37.6	121.0	100.0	-0.15	1.50	0
02/10/2020 04:50:00	37.5	121.0	100.0	-0.15	1.50	0
02/10/2020 05:00:00	37.4	121.0	100.0	-0.15	1.50	0
02/10/2020 05:10:00	37.4	121.0	100.0	-0.15	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
02/10/2020 02:40:00	100	145	25.6	27.4	27.7	25.6
02/10/2020 02:50:00	100	145	25.6	27.4	27.7	25.6
02/10/2020 03:00:00	100	145	25.6	27.4	27.7	25.7
02/10/2020 03:10:00	100	144	25.6	27.4	27.8	25.7
02/10/2020 03:20:00	100	143	25.6	27.5	27.8	25.7
02/10/2020 03:30:00	100	145	25.6	27.5	27.8	25.7
02/10/2020 03:40:00	100	145	25.6	27.5	27.8	25.7
02/10/2020 03:50:00	100	145	25.7	27.5	27.8	25.7
02/10/2020 04:00:00	100	145	25.7	27.5	27.8	25.7
02/10/2020 04:10:00	100	145	25.7	27.6	27.8	25.7
02/10/2020 04:20:00	100	144	25.7	27.6	27.8	25.7
02/10/2020 04:30:00	100	144	25.7	27.6	27.8	25.8
02/10/2020 04:40:00	100	144	25.7	27.6	27.8	25.8
02/10/2020 04:50:00	100	144	25.7	27.6	27.8	25.8
02/10/2020 05:00:00	100	144	25.7	27.6	27.8	25.8
02/10/2020 05:10:00	100	144	25.7	27.7	27.8	25.8

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 02:40:00	27.5	27.6	27.9	27.9	27.7	28.5
02/10/2020 02:50:00	27.5	27.6	27.9	27.9	27.7	28.5
02/10/2020 03:00:00	27.5	27.6	27.9	27.9	27.7	28.5
02/10/2020 03:10:00	27.5	27.6	27.9	27.9	27.7	28.5
02/10/2020 03:20:00	27.5	27.6	27.9	27.9	27.7	28.5
02/10/2020 03:30:00	27.5	27.6	27.9	27.9	27.8	28.5
02/10/2020 03:40:00	27.5	27.6	27.9	28.0	27.7	28.5
02/10/2020 03:50:00	27.5	27.6	27.9	27.9	27.8	28.5
02/10/2020 04:00:00	27.5	27.7	27.9	28.0	27.8	28.5
02/10/2020 04:10:00	27.5	27.7	27.9	28.0	27.8	28.5
02/10/2020 04:20:00	27.5	27.7	27.9	28.0	27.8	28.5
02/10/2020 04:30:00	27.6	27.7	27.9	28.0	27.8	28.5
02/10/2020 04:40:00	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 04:50:00	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 05:00:00	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 05:10:00	27.6	27.6	28.0	28.0	27.8	28.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
02/10/2020 02:40:00	28.7	28.0	121.0	28.1
02/10/2020 02:50:00	28.7	28.0	121.0	28.2
02/10/2020 03:00:00	28.7	28.0	121.0	28.2
02/10/2020 03:10:00	28.7	28.0	121.0	28.2
02/10/2020 03:20:00	28.7	28.0	121.0	28.2
02/10/2020 03:30:00	28.7	28.0	121.0	28.2
02/10/2020 03:40:00	28.7	28.0	121.0	28.2
02/10/2020 03:50:00	28.7	28.1	121.0	28.2
02/10/2020 04:00:00	28.7	28.1	121.0	28.2
02/10/2020 04:10:00	28.7	28.1	121.0	28.2
02/10/2020 04:20:00	28.7	28.1	121.0	28.2
02/10/2020 04:30:00	28.7	28.1	121.0	28.2
02/10/2020 04:40:00	28.7	28.1	121.0	28.2
02/10/2020 04:50:00	28.7	28.1	121.0	28.2
02/10/2020 05:00:00	28.7	28.1	121.0	28.2
02/10/2020 05:10:00	28.7	28.1	121.0	28.2

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
02/10/2020 05:20:00	37.3	121.0	100.0	-0.15	1.50	0
02/10/2020 05:30:00	37.2	121.0	100.0	-0.15	1.50	0
02/10/2020 05:40:00	37.1	121.0	100.0	-0.15	1.50	0
02/10/2020 05:50:00	37.0	121.0	100.0	-0.15	1.50	0
02/10/2020 06:00:00	37.0	121.0	100.0	-0.15	1.50	0
02/10/2020 06:10:00	36.9	121.0	100.0	-0.15	1.50	0
02/10/2020 06:20:00	36.8	121.0	100.0	-0.15	1.50	0
02/10/2020 06:30:00	36.8	121.0	100.0	-0.15	1.50	0
02/10/2020 06:40:00	36.7	121.0	100.0	-0.15	1.50	0
02/10/2020 06:50:00	36.6	121.0	100.0	-0.15	1.50	0
02/10/2020 07:00:00	36.5	121.0	100.0	-0.14	1.50	0
02/10/2020 07:10:00	36.5	121.0	100.0	-0.14	1.50	0
02/10/2020 07:20:00	36.4	121.0	100.0	-0.14	1.50	0
02/10/2020 07:30:00	36.3	121.0	100.0	-0.14	1.50	0
02/10/2020 07:40:00	36.3	121.0	100.0	-0.14	1.50	0
02/10/2020 07:50:00	36.2	121.0	100.0	-0.14	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
02/10/2020 05:20:00	100	144	25.8	27.7	27.8	25.8
02/10/2020 05:30:00	100	144	25.8	27.7	27.8	25.8
02/10/2020 05:40:00	100	144	25.8	27.7	27.8	25.8
02/10/2020 05:50:00	100	145	25.8	27.7	27.8	25.8
02/10/2020 06:00:00	100	145	25.8	27.7	27.9	25.8
02/10/2020 06:10:00	100	145	25.8	27.7	27.9	25.8
02/10/2020 06:20:00	100	145	25.8	27.7	27.8	25.8
02/10/2020 06:30:00	100	145	25.8	27.7	27.9	25.8
02/10/2020 06:40:00	100	145	25.8	27.7	27.8	25.8
02/10/2020 06:50:00	100	145	25.8	27.7	27.9	25.8
02/10/2020 07:00:00	100	145	25.8	27.7	27.9	25.8
02/10/2020 07:10:00	100	145	25.8	27.8	27.9	25.8
02/10/2020 07:20:00	100	145	25.8	27.8	27.8	25.8
02/10/2020 07:30:00	100	145	25.8	27.8	27.8	25.8
02/10/2020 07:40:00	100	145	25.8	27.8	27.8	25.7
02/10/2020 07:50:00	100	145	25.7	27.8	27.7	25.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 05:20:00	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 05:30:00	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 05:40:00	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 05:50:00	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 06:00:00	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 06:10:00	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 06:20:00	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 06:30:00	27.6	27.6	28.0	28.0	27.8	28.5
02/10/2020 06:40:00	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 06:50:00	27.6	27.7	28.0	28.1	27.8	28.5
02/10/2020 07:00:00	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 07:10:00	27.6	27.7	28.0	28.0	27.8	28.5
02/10/2020 07:20:00	27.6	27.6	28.0	28.0	27.8	28.5
02/10/2020 07:30:00	27.6	27.6	28.0	27.9	27.8	28.5
02/10/2020 07:40:00	27.6	27.6	28.0	27.9	27.7	28.5
02/10/2020 07:50:00	27.5	27.5	27.9	27.9	27.7	28.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
02/10/2020 05:20:00	28.7	28.1	121.0	28.2
02/10/2020 05:30:00	28.7	28.1	121.0	28.3
02/10/2020 05:40:00	28.7	28.1	121.0	28.3
02/10/2020 05:50:00	28.7	28.1	121.0	28.3
02/10/2020 06:00:00	28.7	28.1	121.0	28.2
02/10/2020 06:10:00	28.7	28.1	121.0	28.3
02/10/2020 06:20:00	28.7	28.1	121.0	28.3
02/10/2020 06:30:00	28.7	28.1	121.0	28.3
02/10/2020 06:40:00	28.7	28.1	121.0	28.3
02/10/2020 06:50:00	28.7	28.1	121.0	28.3
02/10/2020 07:00:00	28.7	28.1	121.0	28.3
02/10/2020 07:10:00	28.7	28.1	121.0	28.3
02/10/2020 07:20:00	28.7	28.1	121.0	28.3
02/10/2020 07:30:00	28.7	28.0	121.0	28.2
02/10/2020 07:40:00	28.6	28.0	121.0	28.2
02/10/2020 07:50:00	28.6	28.0	121.0	28.2

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
02/10/2020 08:00:00	36.1	121.0	100.0	-0.14	1.50	0
02/10/2020 08:10:00	36.0	121.0	100.0	-0.14	1.50	0
02/10/2020 08:20:00	36.0	121.0	100.0	-0.14	1.50	0
02/10/2020 08:30:00	35.9	121.0	100.0	-0.14	1.50	0
02/10/2020 08:40:00	35.8	121.0	100.0	-0.14	1.50	0
02/10/2020 08:50:00	35.8	121.0	100.0	-0.14	1.50	0
02/10/2020 09:00:00	35.7	121.0	100.0	-0.14	1.50	0
02/10/2020 09:10:00	35.6	121.0	100.0	-0.14	1.50	0
02/10/2020 09:20:00	35.6	121.0	100.0	-0.14	1.50	0
02/10/2020 09:30:00	35.5	121.0	100.0	-0.14	1.50	0
02/10/2020 09:40:00	35.5	121.0	100.0	-0.14	1.50	0
02/10/2020 09:50:00	35.4	121.0	100.0	-0.14	1.50	0
02/10/2020 10:00:00	35.3	121.0	100.0	-0.14	1.50	0
02/10/2020 10:10:00	35.3	121.0	100.0	-0.14	1.50	0
02/10/2020 10:20:00	35.2	121.0	100.0	-0.14	1.50	0
02/10/2020 10:30:00	35.1	121.0	100.0	-0.14	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
02/10/2020 08:00:00	100	145	25.7	27.7	27.7	25.7
02/10/2020 08:10:00	100	145	25.7	27.7	27.6	25.7
02/10/2020 08:20:00	100	145	25.6	27.7	27.6	25.7
02/10/2020 08:30:00	100	145	25.6	27.7	27.6	25.6
02/10/2020 08:40:00	100	145	25.6	27.7	27.5	25.6
02/10/2020 08:50:00	100	145	25.6	27.6	27.5	25.6
02/10/2020 09:00:00	100	144	25.6	27.6	27.4	25.6
02/10/2020 09:10:00	100	144	25.5	27.6	27.4	25.6
02/10/2020 09:20:00	100	144	25.5	27.5	27.4	25.6
02/10/2020 09:30:00	100	144	25.5	27.5	27.3	25.6
02/10/2020 09:40:00	100	145	25.5	27.5	27.3	25.6
02/10/2020 09:50:00	100	145	25.5	27.4	27.3	25.6
02/10/2020 10:00:00	100	145	25.5	27.4	27.3	25.6
02/10/2020 10:10:00	100	145	25.5	27.4	27.3	25.6
02/10/2020 10:20:00	100	145	25.5	27.4	27.2	25.6
02/10/2020 10:30:00	100	145	25.5	27.4	27.3	25.6

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 08:00:00	27.5	27.5	27.9	27.8	27.7	28.4
02/10/2020 08:10:00	27.5	27.4	27.9	27.8	27.6	28.3
02/10/2020 08:20:00	27.4	27.4	27.9	27.8	27.6	28.2
02/10/2020 08:30:00	27.4	27.4	27.8	27.8	27.6	28.1
02/10/2020 08:40:00	27.3	27.3	27.8	27.7	27.5	28.1
02/10/2020 08:50:00	27.3	27.3	27.8	27.7	27.5	28.0
02/10/2020 09:00:00	27.3	27.2	27.7	27.7	27.5	28.0
02/10/2020 09:10:00	27.2	27.2	27.7	27.7	27.5	27.9
02/10/2020 09:20:00	27.2	27.2	27.7	27.7	27.4	27.9
02/10/2020 09:30:00	27.2	27.2	27.6	27.6	27.4	27.8
02/10/2020 09:40:00	27.2	27.1	27.6	27.6	27.4	27.8
02/10/2020 09:50:00	27.2	27.1	27.6	27.6	27.3	27.7
02/10/2020 10:00:00	27.1	27.1	27.6	27.6	27.3	27.7
02/10/2020 10:10:00	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 10:20:00	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 10:30:00	27.1	27.1	27.5	27.5	27.3	27.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
02/10/2020 08:00:00	28.5	27.9	121.0	28.1
02/10/2020 08:10:00	28.4	27.9	121.0	28.1
02/10/2020 08:20:00	28.4	27.8	121.0	28.0
02/10/2020 08:30:00	28.3	27.8	121.0	28.0
02/10/2020 08:40:00	28.3	27.7	121.0	28.0
02/10/2020 08:50:00	28.2	27.7	121.0	27.9
02/10/2020 09:00:00	28.2	27.6	121.0	27.9
02/10/2020 09:10:00	28.1	27.6	121.0	27.8
02/10/2020 09:20:00	28.1	27.6	121.0	27.8
02/10/2020 09:30:00	28.0	27.5	121.0	27.8
02/10/2020 09:40:00	28.0	27.5	121.0	27.7
02/10/2020 09:50:00	27.9	27.5	121.0	27.7
02/10/2020 10:00:00	27.9	27.5	121.0	27.7
02/10/2020 10:10:00	27.9	27.5	121.0	27.7
02/10/2020 10:20:00	27.9	27.5	121.0	27.7
02/10/2020 10:30:00	27.8	27.4	121.0	27.7

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:37		Page 260 of 905

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
02/10/2020 10:40:00	35.1	121.0	100.0	-0.14	1.50	0
02/10/2020 10:50:00	35.0	121.0	100.0	-0.14	1.50	0
02/10/2020 11:00:00	35.0	121.0	100.0	-0.14	1.50	0
02/10/2020 11:10:00	34.9	121.0	100.0	-0.14	1.50	0
02/10/2020 11:20:00	34.8	121.0	100.0	-0.14	1.50	0
02/10/2020 11:30:00	34.8	121.0	100.0	-0.14	1.50	0
02/10/2020 11:40:00	34.7	121.0	100.0	-0.14	1.50	0
02/10/2020 11:50:00	34.7	121.0	100.0	-0.14	1.50	0
02/10/2020 12:00:00	34.6	121.0	100.0	-0.14	1.50	0
02/10/2020 12:10:00	34.6	121.0	100.0	-0.13	1.50	0
02/10/2020 12:20:00	34.5	121.0	100.0	-0.13	1.50	0
02/10/2020 12:30:00	34.5	121.0	100.0	-0.13	1.50	0
02/10/2020 12:40:00	34.4	121.0	100.0	-0.13	1.50	0
02/10/2020 12:50:00	34.3	121.0	100.0	-0.13	1.50	0
02/10/2020 13:00:00	34.3	121.0	100.0	-0.13	1.50	0
02/10/2020 13:10:00	34.2	121.0	100.0	-0.13	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
02/10/2020 10:40:00	100	145	25.5	27.3	27.2	25.6
02/10/2020 10:50:00	100	145	25.5	27.3	27.2	25.6
02/10/2020 11:00:00	100	145	25.5	27.3	27.3	25.6
02/10/2020 11:10:00	100	145	25.5	27.3	27.2	25.6
02/10/2020 11:20:00	100	145	25.5	27.3	27.2	25.6
02/10/2020 11:30:00	100	145	25.5	27.3	27.2	25.6
02/10/2020 11:40:00	100	145	25.5	27.2	27.2	25.6
02/10/2020 11:50:00	100	145	25.5	27.2	27.2	25.6
02/10/2020 12:00:00	100	145	25.5	27.2	27.3	25.6
02/10/2020 12:10:00	100	145	25.5	27.2	27.2	25.6
02/10/2020 12:20:00	100	145	25.5	27.2	27.3	25.7
02/10/2020 12:30:00	100	145	25.5	27.2	27.3	25.7
02/10/2020 12:40:00	100	145	25.5	27.2	27.3	25.7
02/10/2020 12:50:00	100	145	25.5	27.2	27.3	25.7
02/10/2020 13:00:00	100	145	25.5	27.2	27.3	25.7
02/10/2020 13:10:00	100	145	25.5	27.2	27.3	25.7

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 10:40:00	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 10:50:00	27.1	27.1	27.5	27.5	27.3	27.6
02/10/2020 11:00:00	27.1	27.1	27.5	27.5	27.3	27.6
02/10/2020 11:10:00	27.1	27.1	27.5	27.5	27.3	27.6
02/10/2020 11:20:00	27.1	27.1	27.5	27.5	27.3	27.6
02/10/2020 11:30:00	27.1	27.1	27.5	27.5	27.3	27.6
02/10/2020 11:40:00	27.1	27.1	27.4	27.5	27.3	27.6
02/10/2020 11:50:00	27.1	27.1	27.5	27.5	27.3	27.6
02/10/2020 12:00:00	27.1	27.1	27.5	27.5	27.3	27.6
02/10/2020 12:10:00	27.1	27.1	27.5	27.5	27.3	27.6
02/10/2020 12:20:00	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 12:30:00	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 12:40:00	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 12:50:00	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 13:00:00	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 13:10:00	27.1	27.1	27.5	27.5	27.3	27.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
02/10/2020 10:40:00	27.8	27.4	121.0	27.6
02/10/2020 10:50:00	27.8	27.4	121.0	27.6
02/10/2020 11:00:00	27.8	27.4	121.0	27.6
02/10/2020 11:10:00	27.8	27.4	121.0	27.6
02/10/2020 11:20:00	27.8	27.4	121.0	27.6
02/10/2020 11:30:00	27.8	27.4	121.0	27.6
02/10/2020 11:40:00	27.8	27.4	121.0	27.6
02/10/2020 11:50:00	27.8	27.4	121.0	27.7
02/10/2020 12:00:00	27.8	27.5	121.0	27.7
02/10/2020 12:10:00	27.8	27.5	121.0	27.7
02/10/2020 12:20:00	27.8	27.5	121.0	27.7
02/10/2020 12:30:00	27.8	27.5	121.0	27.7
02/10/2020 12:40:00	27.9	27.5	121.0	27.7
02/10/2020 12:50:00	27.9	27.5	121.0	27.7
02/10/2020 13:00:00	27.9	27.5	121.0	27.7
02/10/2020 13:10:00	27.9	27.5	121.0	27.7

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
02/10/2020 13:20:00	34.2	121.0	100.0	-0.13	1.50	0
02/10/2020 13:30:00	34.1	121.0	100.0	-0.13	1.50	0
02/10/2020 13:40:00	34.1	121.0	100.0	-0.13	1.50	0
02/10/2020 13:50:00	34.1	121.0	100.0	-0.13	1.50	0
02/10/2020 14:00:00	34.0	121.0	100.0	-0.13	1.50	0
02/10/2020 14:10:00	34.0	121.0	100.0	-0.13	1.50	0
02/10/2020 14:20:00	33.9	121.0	100.0	-0.13	1.50	0
02/10/2020 14:30:00	33.8	121.0	100.0	-0.13	1.50	0
02/10/2020 14:40:00	33.8	121.0	100.0	-0.13	1.50	0
02/10/2020 14:50:00	33.8	121.0	100.0	-0.13	1.50	0
02/10/2020 15:00:00	33.7	121.0	100.0	-0.13	1.50	0
02/10/2020 15:10:00	33.7	121.0	100.0	-0.13	1.50	0
02/10/2020 15:20:00	33.6	121.0	100.0	-0.13	1.50	0
02/10/2020 15:30:00	33.6	121.0	100.0	-0.13	1.50	0
02/10/2020 15:40:00	33.5	121.0	100.0	-0.13	1.50	0
02/10/2020 15:50:00	33.5	121.0	100.0	-0.13	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
02/10/2020 13:20:00	100	145	25.5	27.2	27.3	25.7
02/10/2020 13:30:00	100	145	25.5	27.2	27.3	25.7
02/10/2020 13:40:00	100	145	25.5	27.2	27.3	25.7
02/10/2020 13:50:00	100	145	25.6	27.2	27.3	25.7
02/10/2020 14:00:00	100	145	25.6	27.2	27.3	25.7
02/10/2020 14:10:00	100	145	25.6	27.2	27.3	25.8
02/10/2020 14:20:00	100	145	25.6	27.2	27.3	25.8
02/10/2020 14:30:00	100	145	25.6	27.2	27.4	25.8
02/10/2020 14:40:00	100	145	25.6	27.2	27.4	25.8
02/10/2020 14:50:00	100	145	25.6	27.2	27.4	25.8
02/10/2020 15:00:00	100	145	25.6	27.2	27.4	25.8
02/10/2020 15:10:00	100	145	25.6	27.2	27.4	25.8
02/10/2020 15:20:00	100	145	25.6	27.3	27.4	25.8
02/10/2020 15:30:00	100	145	25.6	27.3	27.4	25.8
02/10/2020 15:40:00	100	145	25.6	27.3	27.4	25.8
02/10/2020 15:50:00	100	145	25.7	27.3	27.4	25.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 13:20:00	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 13:30:00	27.1	27.1	27.5	27.5	27.3	27.7
02/10/2020 13:40:00	27.2	27.1	27.5	27.5	27.3	27.7
02/10/2020 13:50:00	27.2	27.1	27.5	27.5	27.3	27.7
02/10/2020 14:00:00	27.2	27.1	27.5	27.5	27.4	27.7
02/10/2020 14:10:00	27.2	27.2	27.5	27.5	27.4	27.8
02/10/2020 14:20:00	27.2	27.2	27.5	27.5	27.4	27.8
02/10/2020 14:30:00	27.2	27.2	27.5	27.5	27.4	27.8
02/10/2020 14:40:00	27.2	27.2	27.5	27.6	27.4	27.8
02/10/2020 14:50:00	27.2	27.2	27.5	27.6	27.4	27.8
02/10/2020 15:00:00	27.2	27.2	27.5	27.6	27.4	27.8
02/10/2020 15:10:00	27.2	27.2	27.5	27.6	27.4	27.8
02/10/2020 15:20:00	27.2	27.2	27.5	27.6	27.4	27.8
02/10/2020 15:30:00	27.2	27.2	27.5	27.6	27.4	27.8
02/10/2020 15:40:00	27.2	27.2	27.6	27.6	27.4	27.9
02/10/2020 15:50:00	27.3	27.2	27.6	27.6	27.4	27.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
02/10/2020 13:20:00	27.9	27.5	121.0	27.7
02/10/2020 13:30:00	27.9	27.5	121.0	27.7
02/10/2020 13:40:00	27.9	27.6	121.0	27.7
02/10/2020 13:50:00	27.9	27.6	121.0	27.7
02/10/2020 14:00:00	27.9	27.6	121.0	27.7
02/10/2020 14:10:00	28.0	27.6	121.0	27.8
02/10/2020 14:20:00	28.0	27.6	121.0	27.8
02/10/2020 14:30:00	28.0	27.6	121.0	27.8
02/10/2020 14:40:00	28.0	27.6	121.0	27.8
02/10/2020 14:50:00	28.0	27.6	121.0	27.8
02/10/2020 15:00:00	28.0	27.6	121.0	27.8
02/10/2020 15:10:00	28.0	27.6	121.0	27.8
02/10/2020 15:20:00	28.0	27.7	121.0	27.8
02/10/2020 15:30:00	28.0	27.7	121.0	27.8
02/10/2020 15:40:00	28.0	27.7	121.0	27.8
02/10/2020 15:50:00	28.1	27.7	121.0	27.8

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
02/10/2020 16:00:00	33.5	121.0	100.0	-0.13	1.50	0
02/10/2020 16:10:00	33.4	121.0	100.0	-0.13	1.50	0
02/10/2020 16:20:00	33.4	121.0	100.0	-0.12	1.50	0
02/10/2020 16:30:00	33.3	121.0	100.0	-0.12	1.50	0
02/10/2020 16:40:00	33.3	121.0	100.0	-0.12	1.50	0
02/10/2020 16:50:00	33.2	121.0	100.0	-0.12	1.50	0
02/10/2020 17:00:00	33.2	121.0	100.0	-0.12	1.50	0
02/10/2020 17:10:00	33.2	121.0	100.0	-0.12	1.50	0
02/10/2020 17:20:00	33.1	121.0	100.0	-0.12	1.50	0
02/10/2020 17:30:00	33.1	121.0	100.0	-0.12	1.50	0
02/10/2020 17:40:00	33.0	121.0	100.0	-0.12	1.50	0
02/10/2020 17:50:00	33.0	121.0	100.0	-0.12	1.50	0
02/10/2020 18:00:00	33.0	121.0	100.0	-0.12	1.50	0
02/10/2020 18:10:00	32.9	121.0	100.0	-0.12	1.50	0
02/10/2020 18:20:00	32.9	121.0	100.0	-0.12	1.50	0
02/10/2020 18:30:00	32.9	121.0	100.0	-0.12	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
02/10/2020 16:00:00	100	145	25.7	27.3	27.4	25.9
02/10/2020 16:10:00	100	145	25.7	27.3	27.4	25.9
02/10/2020 16:20:00	100	145	25.7	27.3	27.4	25.9
02/10/2020 16:30:00	100	145	25.7	27.3	27.5	25.9
02/10/2020 16:40:00	100	145	25.7	27.3	27.5	25.9
02/10/2020 16:50:00	100	145	25.7	27.3	27.5	25.9
02/10/2020 17:00:00	100	145	25.7	27.3	27.5	25.9
02/10/2020 17:10:00	100	145	25.7	27.3	27.5	25.9
02/10/2020 17:20:00	100	145	25.8	27.3	27.5	26.0
02/10/2020 17:30:00	100	145	25.8	27.4	27.5	26.0
02/10/2020 17:40:00	100	145	26.1	27.4	27.5	26.0
02/10/2020 17:50:00	100	145	26.1	27.4	27.5	26.0
02/10/2020 18:00:00	100	145	26.1	27.4	27.5	26.0
02/10/2020 18:10:00	100	145	26.1	27.4	27.5	26.0
02/10/2020 18:20:00	100	145	26.1	27.4	27.5	26.0
02/10/2020 18:30:00	100	145	26.2	27.4	27.5	26.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 16:00:00	27.3	27.2	27.6	27.6	27.5	27.9
02/10/2020 16:10:00	27.3	27.3	27.6	27.6	27.5	27.9
02/10/2020 16:20:00	27.3	27.3	27.6	27.6	27.5	27.9
02/10/2020 16:30:00	27.3	27.3	27.6	27.6	27.5	27.9
02/10/2020 16:40:00	27.3	27.3	27.6	27.6	27.5	27.9
02/10/2020 16:50:00	27.3	27.3	27.6	27.6	27.5	27.9
02/10/2020 17:00:00	27.3	27.3	27.6	27.6	27.5	27.9
02/10/2020 17:10:00	27.3	27.3	27.6	27.7	27.5	27.9
02/10/2020 17:20:00	27.3	27.3	27.6	27.7	27.5	27.9
02/10/2020 17:30:00	27.3	27.3	27.6	27.7	27.5	28.0
02/10/2020 17:40:00	27.3	27.3	27.6	27.7	27.5	28.0
02/10/2020 17:50:00	27.4	27.3	27.6	27.7	27.5	28.0
02/10/2020 18:00:00	27.4	27.3	27.6	27.7	27.5	28.0
02/10/2020 18:10:00	27.4	27.4	27.6	27.7	27.5	28.0
02/10/2020 18:20:00	27.4	27.4	27.7	27.7	27.5	28.0
02/10/2020 18:30:00	27.4	27.4	27.7	27.7	27.5	28.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
02/10/2020 16:00:00	28.1	27.7	121.0	27.9
02/10/2020 16:10:00	28.1	27.7	121.0	27.9
02/10/2020 16:20:00	28.1	27.7	121.0	27.9
02/10/2020 16:30:00	28.1	27.7	121.0	27.9
02/10/2020 16:40:00	28.1	27.7	121.0	27.9
02/10/2020 16:50:00	28.1	27.7	121.0	27.9
02/10/2020 17:00:00	28.1	27.7	121.0	27.9
02/10/2020 17:10:00	28.1	27.8	121.0	27.9
02/10/2020 17:20:00	28.1	27.8	121.0	27.9
02/10/2020 17:30:00	28.2	27.8	121.0	27.9
02/10/2020 17:40:00	28.2	27.8	121.0	27.9
02/10/2020 17:50:00	28.2	27.8	121.0	28.0
02/10/2020 18:00:00	28.2	27.8	121.0	28.0
02/10/2020 18:10:00	28.2	27.8	121.0	28.0
02/10/2020 18:20:00	28.2	27.8	121.0	28.0
02/10/2020 18:30:00	28.2	27.8	121.0	28.0

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**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
02/10/2020 18:40:00	32.8	121.0	100.0	-0.12	1.50	0
02/10/2020 18:50:00	32.8	121.0	100.0	-0.12	1.50	0
02/10/2020 19:00:00	32.7	121.0	100.0	-0.12	1.50	0
02/10/2020 19:10:00	32.7	121.0	100.0	-0.12	1.50	0
02/10/2020 19:20:00	32.7	121.0	100.0	-0.12	1.50	0
02/10/2020 19:30:00	32.6	121.0	100.0	-0.12	1.50	0
02/10/2020 19:40:00	32.6	121.0	100.0	-0.12	1.50	0
02/10/2020 19:50:00	32.5	121.0	100.0	-0.12	1.50	0
02/10/2020 20:00:00	32.5	121.0	100.0	-0.12	1.50	0
02/10/2020 20:10:00	32.5	121.0	100.0	-0.12	1.50	0
02/10/2020 20:20:00	32.4	121.0	100.0	-0.12	1.50	0
02/10/2020 20:30:00	32.4	121.0	100.0	-0.12	1.50	0
02/10/2020 20:40:00	32.4	121.0	100.0	-0.12	1.50	0
02/10/2020 20:50:00	32.4	121.0	100.0	-0.12	1.50	0
02/10/2020 21:00:00	32.3	121.0	100.0	-0.12	1.50	0
02/10/2020 21:10:00	32.3	121.0	100.0	-0.12	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
02/10/2020 18:40:00	100	145	26.2	27.4	27.6	26.0
02/10/2020 18:50:00	100	145	26.2	27.4	27.6	26.0
02/10/2020 19:00:00	100	145	26.2	27.4	27.6	26.0
02/10/2020 19:10:00	100	145	26.2	27.4	27.6	26.0
02/10/2020 19:20:00	100	145	26.2	27.4	27.6	26.1
02/10/2020 19:30:00	100	145	26.2	27.5	27.6	26.1
02/10/2020 19:40:00	100	145	26.2	27.5	27.6	26.1
02/10/2020 19:50:00	100	145	26.2	27.5	27.6	26.1
02/10/2020 20:00:00	100	145	26.2	27.5	27.6	26.1
02/10/2020 20:10:00	100	145	26.2	27.5	27.6	26.1
02/10/2020 20:20:00	100	145	26.2	27.5	27.6	26.1
02/10/2020 20:30:00	100	145	26.2	27.5	27.6	26.1
02/10/2020 20:40:00	100	145	26.2	27.5	27.6	26.1
02/10/2020 20:50:00	100	145	26.3	27.5	27.6	26.1
02/10/2020 21:00:00	100	145	26.3	27.5	27.6	26.1
02/10/2020 21:10:00	100	145	26.3	27.5	27.6	26.1

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 18:40:00	27.4	27.4	27.7	27.7	27.5	28.0
02/10/2020 18:50:00	27.4	27.4	27.7	27.7	27.5	28.0
02/10/2020 19:00:00	27.4	27.4	27.7	27.7	27.5	28.0
02/10/2020 19:10:00	27.4	27.4	27.7	27.7	27.5	28.0
02/10/2020 19:20:00	27.4	27.4	27.7	27.7	27.6	28.0
02/10/2020 19:30:00	27.4	27.4	27.7	27.7	27.6	28.0
02/10/2020 19:40:00	27.4	27.4	27.7	27.7	27.6	28.0
02/10/2020 19:50:00	27.4	27.4	27.7	27.7	27.6	28.0
02/10/2020 20:00:00	27.4	27.4	27.7	27.7	27.6	28.0
02/10/2020 20:10:00	27.4	27.4	27.7	27.7	27.6	28.0
02/10/2020 20:20:00	27.4	27.4	27.7	27.7	27.6	28.0
02/10/2020 20:30:00	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 20:40:00	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 20:50:00	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 21:00:00	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 21:10:00	27.5	27.4	27.7	27.7	27.6	28.1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
02/10/2020 18:40:00	28.2	27.8	121.0	28.0
02/10/2020 18:50:00	28.2	27.8	121.0	28.0
02/10/2020 19:00:00	28.2	27.8	121.0	28.0
02/10/2020 19:10:00	28.2	27.8	121.0	28.0
02/10/2020 19:20:00	28.2	27.8	121.0	28.0
02/10/2020 19:30:00	28.2	27.9	121.0	28.0
02/10/2020 19:40:00	28.2	27.9	121.0	28.0
02/10/2020 19:50:00	28.2	27.9	121.0	28.0
02/10/2020 20:00:00	28.2	27.9	121.0	28.0
02/10/2020 20:10:00	28.2	27.9	121.0	28.1
02/10/2020 20:20:00	28.2	27.9	121.0	28.1
02/10/2020 20:30:00	28.2	27.9	121.0	28.1
02/10/2020 20:40:00	28.3	27.9	121.0	28.1
02/10/2020 20:50:00	28.3	27.9	121.0	28.1
02/10/2020 21:00:00	28.3	27.9	121.0	28.1
02/10/2020 21:10:00	28.3	27.9	121.0	28.1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
02/10/2020 21:20:00	32.3	121.0	100.0	-0.12	1.50	0
02/10/2020 21:30:00	32.2	121.0	100.0	-0.12	1.50	0
02/10/2020 21:40:00	32.2	121.0	100.0	-0.12	1.50	0
02/10/2020 21:50:00	32.2	121.0	100.0	-0.12	1.50	0
02/10/2020 22:00:00	32.1	121.0	100.0	-0.12	1.50	0
02/10/2020 22:10:00	32.1	121.0	100.0	-0.12	1.50	0
02/10/2020 22:20:00	32.1	121.0	100.0	-0.12	1.50	0
02/10/2020 22:30:00	32.0	121.0	100.0	-0.12	1.50	0
02/10/2020 22:40:00	32.0	121.0	100.0	-0.12	1.50	0
02/10/2020 22:50:00	32.0	121.0	100.0	-0.12	1.50	0
02/10/2020 23:00:00	32.0	121.0	100.0	-0.12	1.50	0
02/10/2020 23:10:00	31.9	121.0	100.0	-0.12	1.50	0
02/10/2020 23:20:00	31.9	121.0	100.0	-0.12	1.50	0
02/10/2020 23:30:00	31.9	121.0	100.0	-0.12	1.50	0
02/10/2020 23:40:00	31.8	121.0	100.0	-0.12	1.50	0
02/10/2020 23:50:00	31.8	121.0	100.0	-0.11	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
02/10/2020 21:20:00	100	145	26.3	27.5	27.6	26.1
02/10/2020 21:30:00	100	145	26.3	27.5	27.6	26.1
02/10/2020 21:40:00	100	145	26.3	27.5	27.6	26.1
02/10/2020 21:50:00	100	145	26.3	27.5	27.6	26.1
02/10/2020 22:00:00	100	145	26.3	27.5	27.6	26.1
02/10/2020 22:10:00	100	145	26.3	27.5	27.6	26.1
02/10/2020 22:20:00	100	145	26.3	27.5	27.6	26.2
02/10/2020 22:30:00	100	145	26.3	27.5	27.6	26.2
02/10/2020 22:40:00	100	145	26.3	27.6	27.6	26.2
02/10/2020 22:50:00	100	145	26.3	27.6	27.6	26.2
02/10/2020 23:00:00	100	145	26.3	27.5	27.6	26.2
02/10/2020 23:10:00	100	145	26.3	27.5	27.6	26.2
02/10/2020 23:20:00	100	145	26.3	27.5	27.6	26.2
02/10/2020 23:30:00	100	145	26.3	27.5	27.6	26.2
02/10/2020 23:40:00	100	145	26.3	27.5	27.6	26.2
02/10/2020 23:50:00	100	145	26.3	27.6	27.6	26.2

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
02/10/2020 21:20:00	27.5	27.4	27.7	27.7	27.6	28.1
02/10/2020 21:30:00	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 21:40:00	27.5	27.4	27.7	27.7	27.6	28.1
02/10/2020 21:50:00	27.5	27.4	27.7	27.7	27.6	28.1
02/10/2020 22:00:00	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 22:10:00	27.5	27.4	27.7	27.7	27.6	28.1
02/10/2020 22:20:00	27.5	27.4	27.7	27.7	27.6	28.1
02/10/2020 22:30:00	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 22:40:00	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 22:50:00	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 23:00:00	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 23:10:00	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 23:20:00	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 23:30:00	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 23:40:00	27.5	27.4	27.7	27.7	27.6	28.0
02/10/2020 23:50:00	27.5	27.4	27.7	27.7	27.6	28.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
02/10/2020 21:20:00	28.3	27.9	121.0	28.1
02/10/2020 21:30:00	28.3	27.9	121.0	28.1
02/10/2020 21:40:00	28.3	27.9	121.0	28.1
02/10/2020 21:50:00	28.3	27.9	121.0	28.1
02/10/2020 22:00:00	28.3	27.9	121.0	28.1
02/10/2020 22:10:00	28.3	27.9	121.0	28.1
02/10/2020 22:20:00	28.3	27.9	121.0	28.1
02/10/2020 22:30:00	28.3	27.9	121.0	28.1
02/10/2020 22:40:00	28.2	27.9	121.0	28.1
02/10/2020 22:50:00	28.2	27.9	121.0	28.1
02/10/2020 23:00:00	28.2	27.9	121.0	28.1
02/10/2020 23:10:00	28.2	27.9	121.0	28.1
02/10/2020 23:20:00	28.2	27.9	121.0	28.1
02/10/2020 23:30:00	28.2	27.9	121.0	28.1
02/10/2020 23:40:00	28.2	27.9	121.0	28.0
02/10/2020 23:50:00	28.2	27.9	121.0	28.1

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
03/10/2020 00:00:00	31.8	121.0	100.0	-0.11	1.50	0
03/10/2020 00:10:00	31.7	121.0	100.0	-0.11	1.50	0
03/10/2020 00:20:00	31.7	121.0	100.0	-0.11	1.50	0
03/10/2020 00:30:00	31.7	121.0	100.0	-0.11	1.50	0
03/10/2020 00:40:00	31.7	121.0	100.0	-0.11	1.50	0
03/10/2020 00:50:00	31.6	121.0	100.0	-0.11	1.50	0
03/10/2020 01:00:00	31.6	121.0	100.0	-0.11	1.50	0
03/10/2020 01:10:00	31.6	121.0	100.0	-0.11	1.50	0
03/10/2020 01:20:00	31.5	121.0	100.0	-0.11	1.50	0
03/10/2020 01:30:00	31.5	121.0	100.0	-0.11	1.50	0
03/10/2020 01:40:00	31.5	121.0	100.0	-0.11	1.50	0
03/10/2020 01:50:00	31.5	121.0	100.0	-0.11	1.50	0
03/10/2020 02:00:00	31.4	121.0	100.0	-0.11	1.50	0
03/10/2020 02:10:00	31.4	121.0	100.0	-0.11	1.50	0
03/10/2020 02:20:00	31.4	121.0	100.0	-0.11	1.50	0
03/10/2020 02:30:00	31.4	121.0	100.0	-0.11	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
03/10/2020 00:00:00	100	145	26.3	27.5	27.6	26.2
03/10/2020 00:10:00	100	145	26.3	27.5	27.6	26.2
03/10/2020 00:20:00	100	145	26.4	27.5	27.6	26.2
03/10/2020 00:30:00	100	145	26.3	27.5	27.6	26.2
03/10/2020 00:40:00	100	145	26.3	27.5	27.6	26.2
03/10/2020 00:50:00	100	145	26.4	27.5	27.6	26.2
03/10/2020 01:00:00	100	145	26.4	27.5	27.6	26.2
03/10/2020 01:10:00	100	145	26.3	27.5	27.6	26.2
03/10/2020 01:20:00	100	145	26.4	27.5	27.6	26.2
03/10/2020 01:30:00	100	145	26.3	27.5	27.6	26.2
03/10/2020 01:40:00	100	145	26.4	27.5	27.6	26.2
03/10/2020 01:50:00	100	145	26.4	27.5	27.6	26.2
03/10/2020 02:00:00	100	145	26.3	27.5	27.6	26.2
03/10/2020 02:10:00	100	145	26.3	27.5	27.6	26.2
03/10/2020 02:20:00	100	145	26.3	27.5	27.5	26.2
03/10/2020 02:30:00	100	145	26.3	27.5	27.5	26.2

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 00:00:00	27.5	27.4	27.7	27.7	27.6	28.0
03/10/2020 00:10:00	27.5	27.4	27.7	27.7	27.6	28.0
03/10/2020 00:20:00	27.4	27.4	27.7	27.7	27.6	28.0
03/10/2020 00:30:00	27.5	27.4	27.6	27.7	27.6	28.0
03/10/2020 00:40:00	27.4	27.4	27.7	27.7	27.6	28.0
03/10/2020 00:50:00	27.5	27.4	27.6	27.7	27.6	28.0
03/10/2020 01:00:00	27.4	27.4	27.7	27.7	27.6	28.0
03/10/2020 01:10:00	27.4	27.4	27.6	27.7	27.5	28.0
03/10/2020 01:20:00	27.4	27.4	27.6	27.7	27.5	28.0
03/10/2020 01:30:00	27.4	27.4	27.6	27.7	27.5	28.0
03/10/2020 01:40:00	27.4	27.4	27.6	27.6	27.5	28.0
03/10/2020 01:50:00	27.4	27.4	27.6	27.6	27.5	28.0
03/10/2020 02:00:00	27.4	27.4	27.6	27.6	27.5	28.0
03/10/2020 02:10:00	27.4	27.3	27.6	27.6	27.5	27.9
03/10/2020 02:20:00	27.4	27.3	27.6	27.6	27.5	27.9
03/10/2020 02:30:00	27.4	27.3	27.6	27.6	27.5	27.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
03/10/2020 00:00:00	28.2	27.9	121.0	28.0
03/10/2020 00:10:00	28.2	27.9	121.0	28.0
03/10/2020 00:20:00	28.2	27.9	121.0	28.0
03/10/2020 00:30:00	28.2	27.9	121.0	28.0
03/10/2020 00:40:00	28.2	27.8	121.0	28.0
03/10/2020 00:50:00	28.2	27.8	121.0	28.0
03/10/2020 01:00:00	28.2	27.8	121.0	28.0
03/10/2020 01:10:00	28.2	27.8	121.0	28.0
03/10/2020 01:20:00	28.2	27.8	121.0	28.0
03/10/2020 01:30:00	28.2	27.8	121.0	28.0
03/10/2020 01:40:00	28.2	27.8	121.0	28.0
03/10/2020 01:50:00	28.2	27.8	121.0	28.0
03/10/2020 02:00:00	28.1	27.8	121.0	28.0
03/10/2020 02:10:00	28.1	27.8	121.0	28.0
03/10/2020 02:20:00	28.1	27.8	121.0	28.0
03/10/2020 02:30:00	28.1	27.8	121.0	28.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
03/10/2020 02:40:00	31.3	121.0	100.0	-0.11	1.50	0
03/10/2020 02:50:00	31.3	121.0	100.0	-0.11	1.50	0
03/10/2020 03:00:00	31.3	121.0	100.0	-0.11	1.50	0
03/10/2020 03:10:00	31.3	121.0	100.0	-0.11	1.50	0
03/10/2020 03:20:00	31.3	121.0	100.0	-0.11	1.50	0
03/10/2020 03:30:00	31.2	121.0	100.0	-0.11	1.50	0
03/10/2020 03:40:00	31.2	121.0	100.0	-0.11	1.50	0
03/10/2020 03:50:00	31.2	121.0	100.0	-0.11	1.50	0
03/10/2020 04:00:00	31.1	121.0	100.0	-0.11	1.50	0
03/10/2020 04:10:00	31.1	121.0	100.0	-0.11	1.50	0
03/10/2020 04:20:00	31.1	121.0	100.0	-0.11	1.50	0
03/10/2020 04:30:00	31.1	121.0	100.0	-0.11	1.50	0
03/10/2020 04:40:00	31.1	121.0	100.0	-0.11	1.50	0
03/10/2020 04:50:00	31.0	121.0	100.0	-0.11	1.50	0
03/10/2020 05:00:00	31.0	121.0	100.0	-0.11	1.50	0
03/10/2020 05:10:00	31.0	121.0	100.0	-0.11	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
03/10/2020 02:40:00	100	145	26.3	27.5	27.5	26.2
03/10/2020 02:50:00	100	145	26.3	27.5	27.5	26.2
03/10/2020 03:00:00	100	145	26.3	27.5	27.5	26.2
03/10/2020 03:10:00	100	145	26.3	27.5	27.5	26.2
03/10/2020 03:20:00	100	145	26.3	27.5	27.5	26.2
03/10/2020 03:30:00	100	145	26.3	27.5	27.5	26.2
03/10/2020 03:40:00	100	145	26.3	27.5	27.5	26.2
03/10/2020 03:50:00	100	145	26.3	27.4	27.5	26.2
03/10/2020 04:00:00	100	145	26.3	27.4	27.5	26.2
03/10/2020 04:10:00	100	145	26.3	27.4	27.5	26.2
03/10/2020 04:20:00	100	145	26.3	27.4	27.5	26.2
03/10/2020 04:30:00	100	145	26.3	27.4	27.5	26.2
03/10/2020 04:40:00	100	145	26.3	27.4	27.5	26.1
03/10/2020 04:50:00	100	145	26.3	27.4	27.5	26.1
03/10/2020 05:00:00	100	145	26.3	27.4	27.5	26.1
03/10/2020 05:10:00	100	145	26.3	27.4	27.4	26.1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 02:40:00	27.4	27.3	27.6	27.6	27.5	27.9
03/10/2020 02:50:00	27.4	27.3	27.6	27.6	27.5	27.9
03/10/2020 03:00:00	27.4	27.3	27.6	27.6	27.5	27.9
03/10/2020 03:10:00	27.4	27.3	27.6	27.6	27.5	27.9
03/10/2020 03:20:00	27.4	27.3	27.6	27.6	27.5	27.9
03/10/2020 03:30:00	27.4	27.3	27.6	27.6	27.5	27.9
03/10/2020 03:40:00	27.3	27.3	27.6	27.6	27.5	27.9
03/10/2020 03:50:00	27.3	27.3	27.6	27.6	27.5	27.9
03/10/2020 04:00:00	27.3	27.3	27.6	27.6	27.5	27.9
03/10/2020 04:10:00	27.3	27.3	27.6	27.6	27.5	27.9
03/10/2020 04:20:00	27.3	27.3	27.6	27.6	27.5	27.9
03/10/2020 04:30:00	27.3	27.3	27.6	27.6	27.5	27.9
03/10/2020 04:40:00	27.3	27.3	27.6	27.5	27.5	27.9
03/10/2020 04:50:00	27.3	27.3	27.6	27.5	27.4	27.9
03/10/2020 05:00:00	27.3	27.2	27.6	27.5	27.4	27.9
03/10/2020 05:10:00	27.3	27.2	27.5	27.5	27.4	27.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
03/10/2020 02:40:00	28.1	27.8	121.0	28.0
03/10/2020 02:50:00	28.1	27.7	121.0	28.0
03/10/2020 03:00:00	28.1	27.7	121.0	27.9
03/10/2020 03:10:00	28.1	27.7	121.0	27.9
03/10/2020 03:20:00	28.1	27.7	121.0	27.9
03/10/2020 03:30:00	28.1	27.7	121.0	27.9
03/10/2020 03:40:00	28.1	27.7	121.0	27.9
03/10/2020 03:50:00	28.1	27.7	121.0	27.9
03/10/2020 04:00:00	28.1	27.7	121.0	27.9
03/10/2020 04:10:00	28.1	27.7	121.0	27.9
03/10/2020 04:20:00	28.1	27.7	121.0	27.9
03/10/2020 04:30:00	28.1	27.7	121.0	27.9
03/10/2020 04:40:00	28.1	27.7	121.0	27.9
03/10/2020 04:50:00	28.1	27.7	121.0	27.9
03/10/2020 05:00:00	28.1	27.7	121.0	27.9
03/10/2020 05:10:00	28.0	27.6	121.0	27.9

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
03/10/2020 05:20:00	31.0	121.0	100.0	-0.11	1.50	0
03/10/2020 05:30:00	30.9	121.0	100.0	-0.11	1.50	0
03/10/2020 05:40:00	30.9	121.0	100.0	-0.11	1.50	0
03/10/2020 05:50:00	30.9	121.0	100.0	-0.11	1.50	0
03/10/2020 06:00:00	30.9	121.0	100.0	-0.11	1.50	0
03/10/2020 06:10:00	30.8	121.0	100.0	-0.11	1.50	0
03/10/2020 06:20:00	30.8	121.0	100.0	-0.11	1.50	0
03/10/2020 06:30:00	30.8	121.0	100.0	-0.11	1.50	0
03/10/2020 06:40:00	30.8	121.0	100.0	-0.11	1.50	0
03/10/2020 06:50:00	30.7	121.0	100.0	-0.11	1.50	0
03/10/2020 07:00:00	30.7	121.0	100.0	-0.11	1.50	0
03/10/2020 07:10:00	30.7	121.0	100.0	-0.11	1.50	0
03/10/2020 07:20:00	30.7	121.0	100.0	-0.11	1.50	0
03/10/2020 07:30:00	30.6	121.0	100.0	-0.11	1.50	0
03/10/2020 07:40:00	30.6	121.0	100.0	-0.11	1.50	0
03/10/2020 07:50:00	30.6	121.0	100.0	-0.11	1.50	0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:38		Page 289 of 905

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
03/10/2020 05:20:00	100	145	26.3	27.4	27.4	26.1
03/10/2020 05:30:00	100	145	26.3	27.4	27.4	26.1
03/10/2020 05:40:00	100	145	26.3	27.4	27.4	26.1
03/10/2020 05:50:00	100	145	26.3	27.4	27.4	26.1
03/10/2020 06:00:00	100	145	26.3	27.4	27.4	26.1
03/10/2020 06:10:00	100	145	26.2	27.3	27.4	26.1
03/10/2020 06:20:00	100	145	26.2	27.3	27.4	26.0
03/10/2020 06:30:00	100	145	26.2	27.3	27.4	26.0
03/10/2020 06:40:00	100	145	26.2	27.3	27.3	26.0
03/10/2020 06:50:00	100	145	26.1	27.3	27.3	26.0
03/10/2020 07:00:00	100	145	26.1	27.3	27.3	25.9
03/10/2020 07:10:00	100	145	26.1	27.3	27.3	25.9
03/10/2020 07:20:00	100	145	26.1	27.3	27.3	25.9
03/10/2020 07:30:00	100	145	26.1	27.3	27.3	25.9
03/10/2020 07:40:00	100	145	26.1	27.3	27.3	25.9
03/10/2020 07:50:00	100	145	26.1	27.3	27.3	25.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 05:20:00	27.3	27.2	27.5	27.5	27.4	27.9
03/10/2020 05:30:00	27.3	27.2	27.5	27.5	27.4	27.8
03/10/2020 05:40:00	27.3	27.2	27.5	27.5	27.4	27.8
03/10/2020 05:50:00	27.3	27.2	27.5	27.5	27.4	27.8
03/10/2020 06:00:00	27.2	27.2	27.5	27.5	27.4	27.8
03/10/2020 06:10:00	27.2	27.2	27.5	27.5	27.4	27.8
03/10/2020 06:20:00	27.2	27.2	27.5	27.5	27.4	27.8
03/10/2020 06:30:00	27.2	27.2	27.5	27.5	27.3	27.8
03/10/2020 06:40:00	27.2	27.2	27.5	27.4	27.3	27.8
03/10/2020 06:50:00	27.2	27.1	27.4	27.4	27.3	27.8
03/10/2020 07:00:00	27.2	27.1	27.4	27.4	27.3	27.7
03/10/2020 07:10:00	27.2	27.1	27.4	27.4	27.3	27.7
03/10/2020 07:20:00	27.1	27.1	27.4	27.4	27.3	27.7
03/10/2020 07:30:00	27.1	27.1	27.4	27.4	27.2	27.7
03/10/2020 07:40:00	27.1	27.1	27.4	27.4	27.2	27.7
03/10/2020 07:50:00	27.1	27.1	27.4	27.3	27.2	27.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
03/10/2020 05:20:00	28.0	27.6	121.0	27.9
03/10/2020 05:30:00	28.0	27.6	121.0	27.9
03/10/2020 05:40:00	28.0	27.6	121.0	27.9
03/10/2020 05:50:00	28.0	27.6	121.0	27.8
03/10/2020 06:00:00	28.0	27.6	121.0	27.8
03/10/2020 06:10:00	28.0	27.6	121.0	27.8
03/10/2020 06:20:00	28.0	27.6	121.0	27.8
03/10/2020 06:30:00	28.0	27.6	121.0	27.8
03/10/2020 06:40:00	28.0	27.6	121.0	27.8
03/10/2020 06:50:00	28.0	27.5	121.0	27.8
03/10/2020 07:00:00	28.0	27.5	121.0	27.8
03/10/2020 07:10:00	27.9	27.5	121.0	27.8
03/10/2020 07:20:00	27.9	27.5	121.0	27.7
03/10/2020 07:30:00	27.9	27.5	121.0	27.7
03/10/2020 07:40:00	27.9	27.5	121.0	27.7
03/10/2020 07:50:00	27.9	27.5	121.0	27.7

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:38		Page 292 of 905

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
03/10/2020 08:00:00	30.6	121.0	100.0	-0.10	1.50	0
03/10/2020 08:10:00	30.6	121.0	100.0	-0.10	1.50	0
03/10/2020 08:20:00	30.5	121.0	100.0	-0.10	1.50	0
03/10/2020 08:30:00	30.5	121.0	100.0	-0.10	1.50	0
03/10/2020 08:40:00	30.5	121.0	100.0	-0.10	1.50	0
03/10/2020 08:50:00	30.5	121.0	100.0	-0.10	1.50	0
03/10/2020 09:00:00	30.5	121.0	100.0	-0.10	1.50	0
03/10/2020 09:10:00	30.5	121.0	100.0	-0.10	1.50	0
03/10/2020 09:20:00	30.4	121.0	100.0	-0.10	1.50	0
03/10/2020 09:30:00	30.4	121.0	100.0	-0.10	1.50	0
03/10/2020 09:40:00	30.4	121.0	100.0	-0.10	1.50	0
03/10/2020 09:50:00	30.4	121.0	100.0	-0.10	1.50	0
03/10/2020 10:00:00	30.4	121.0	100.0	-0.10	1.50	0
03/10/2020 10:10:00	30.3	121.0	100.0	-0.10	1.50	0
03/10/2020 10:20:00	30.3	121.0	100.0	-0.10	1.50	0
03/10/2020 10:30:00	30.3	121.0	100.0	-0.10	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
03/10/2020 08:00:00	100	145	26.1	27.2	27.3	25.9
03/10/2020 08:10:00	100	145	26.1	27.2	27.3	25.9
03/10/2020 08:20:00	100	144	26.1	27.2	27.2	25.9
03/10/2020 08:30:00	100	144	26.1	27.2	27.2	25.9
03/10/2020 08:40:00	100	144	26.1	27.2	27.2	26.0
03/10/2020 08:50:00	100	144	26.1	27.2	27.2	26.0
03/10/2020 09:00:00	100	144	26.2	27.2	27.2	26.0
03/10/2020 09:10:00	100	143	26.2	27.2	27.3	26.0
03/10/2020 09:20:00	100	143	26.2	27.2	27.3	26.0
03/10/2020 09:30:00	100	143	26.2	27.2	27.3	26.0
03/10/2020 09:40:00	100	143	26.2	27.2	27.3	26.0
03/10/2020 09:50:00	100	143	26.2	27.2	27.3	26.0
03/10/2020 10:00:00	100	143	26.2	27.2	27.3	26.1
03/10/2020 10:10:00	100	143	26.2	27.2	27.4	26.1
03/10/2020 10:20:00	100	143	26.2	27.2	27.3	26.1
03/10/2020 10:30:00	100	143	26.2	27.2	27.4	26.1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 08:00:00	27.1	27.1	27.4	27.3	27.2	27.7
03/10/2020 08:10:00	27.1	27.1	27.4	27.3	27.2	27.7
03/10/2020 08:20:00	27.1	27.0	27.4	27.3	27.2	27.7
03/10/2020 08:30:00	27.1	27.1	27.4	27.3	27.2	27.7
03/10/2020 08:40:00	27.1	27.0	27.4	27.3	27.2	27.6
03/10/2020 08:50:00	27.1	27.1	27.4	27.3	27.2	27.7
03/10/2020 09:00:00	27.1	27.0	27.4	27.3	27.2	27.7
03/10/2020 09:10:00	27.1	27.1	27.4	27.3	27.2	27.7
03/10/2020 09:20:00	27.1	27.1	27.4	27.3	27.2	27.7
03/10/2020 09:30:00	27.1	27.1	27.4	27.4	27.3	27.7
03/10/2020 09:40:00	27.2	27.2	27.4	27.4	27.3	27.8
03/10/2020 09:50:00	27.2	27.2	27.5	27.4	27.3	27.8
03/10/2020 10:00:00	27.2	27.2	27.5	27.4	27.3	27.7
03/10/2020 10:10:00	27.2	27.2	27.5	27.4	27.3	27.7
03/10/2020 10:20:00	27.2	27.2	27.5	27.4	27.3	27.7
03/10/2020 10:30:00	27.2	27.2	27.5	27.4	27.3	27.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
03/10/2020 08:00:00	27.9	27.4	121.0	27.7
03/10/2020 08:10:00	27.9	27.4	121.0	27.7
03/10/2020 08:20:00	27.8	27.4	121.0	27.7
03/10/2020 08:30:00	27.8	27.4	121.0	27.7
03/10/2020 08:40:00	27.8	27.4	121.0	27.7
03/10/2020 08:50:00	27.8	27.4	121.0	27.7
03/10/2020 09:00:00	27.8	27.4	121.0	27.7
03/10/2020 09:10:00	27.8	27.4	121.0	27.7
03/10/2020 09:20:00	27.9	27.5	121.0	27.7
03/10/2020 09:30:00	27.9	27.5	121.0	27.7
03/10/2020 09:40:00	28.0	27.5	121.0	27.7
03/10/2020 09:50:00	28.0	27.5	121.0	27.7
03/10/2020 10:00:00	27.9	27.5	121.0	27.8
03/10/2020 10:10:00	27.9	27.5	121.0	27.7
03/10/2020 10:20:00	27.9	27.5	121.0	27.7
03/10/2020 10:30:00	27.9	27.5	121.0	27.8

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
03/10/2020 10:40:00	30.3	121.0	100.0	-0.10	1.50	0
03/10/2020 10:50:00	30.3	121.0	100.0	-0.10	1.50	0
03/10/2020 11:00:00	30.2	121.0	100.0	-0.10	1.50	0
03/10/2020 11:10:00	30.0	121.0	100.0	-0.11	1.50	0
03/10/2020 11:20:00	29.9	121.0	100.0	-0.11	1.50	0
03/10/2020 11:30:00	29.8	121.0	100.0	-0.12	1.50	0
03/10/2020 11:40:00	29.7	121.0	100.0	-0.12	1.50	0
03/10/2020 11:50:00	29.5	121.0	100.0	-0.12	1.50	0
03/10/2020 12:00:00	29.4	121.0	100.0	-0.12	1.50	0
03/10/2020 12:10:00	29.3	121.0	100.0	-0.13	1.50	0
03/10/2020 12:20:00	29.2	121.0	100.0	-0.13	1.50	0
03/10/2020 12:30:00	29.0	121.0	100.0	-0.13	1.50	0
03/10/2020 12:40:00	28.9	121.0	100.0	-0.13	1.50	0
03/10/2020 12:50:00	28.8	121.0	100.0	-0.13	1.50	0
03/10/2020 13:00:00	28.6	121.0	100.0	-0.13	1.50	0
03/10/2020 13:10:00	28.5	121.0	100.0	-0.13	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
03/10/2020 10:40:00	100	143	26.2	27.2	27.4	26.1
03/10/2020 10:50:00	100	143	26.2	27.2	27.4	26.1
03/10/2020 11:00:00	100	144	25.3	27.1	26.9	25.3
03/10/2020 11:10:00	100	143	21.0	26.7	25.0	22.2
03/10/2020 11:20:00	100	143	18.4	26.2	23.5	19.9
03/10/2020 11:30:00	100	143	17.0	25.6	22.3	18.6
03/10/2020 11:40:00	100	143	16.2	25.0	21.4	17.6
03/10/2020 11:50:00	100	143	15.7	24.4	20.7	17.0
03/10/2020 12:00:00	100	143	15.3	23.9	20.1	16.5
03/10/2020 12:10:00	100	143	15.1	23.3	19.6	16.1
03/10/2020 12:20:00	100	143	14.9	22.8	19.3	15.8
03/10/2020 12:30:00	100	143	14.7	22.3	18.9	15.7
03/10/2020 12:40:00	100	143	14.6	21.9	18.7	15.5
03/10/2020 12:50:00	100	143	14.5	21.5	18.5	15.4
03/10/2020 13:00:00	100	143	14.5	21.1	18.3	15.3
03/10/2020 13:10:00	100	143	14.4	20.7	18.2	15.2

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 10:40:00	27.2	27.2	27.5	27.4	27.3	27.8
03/10/2020 10:50:00	27.2	27.2	27.5	27.4	27.3	27.8
03/10/2020 11:00:00	26.8	26.1	27.1	26.9	26.1	27.4
03/10/2020 11:10:00	25.0	24.0	25.4	24.9	22.8	25.5
03/10/2020 11:20:00	23.4	22.3	23.8	23.3	20.8	23.9
03/10/2020 11:30:00	22.2	21.0	22.7	22.0	19.4	22.5
03/10/2020 11:40:00	21.3	20.1	21.8	21.0	18.5	21.5
03/10/2020 11:50:00	20.6	19.3	21.0	20.2	17.9	20.7
03/10/2020 12:00:00	20.0	18.8	20.5	19.5	17.4	20.1
03/10/2020 12:10:00	19.5	18.4	20.1	19.0	17.1	19.6
03/10/2020 12:20:00	19.1	18.0	19.7	18.6	16.8	19.2
03/10/2020 12:30:00	18.8	17.6	19.4	18.2	16.6	18.9
03/10/2020 12:40:00	18.5	17.4	19.1	18.0	16.4	18.6
03/10/2020 12:50:00	18.3	17.1	18.9	17.7	16.3	18.4
03/10/2020 13:00:00	18.1	16.9	18.7	17.5	16.2	18.3
03/10/2020 13:10:00	17.9	16.7	18.6	17.4	16.1	18.1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
03/10/2020 10:40:00	27.9	27.5	121.0	27.8
03/10/2020 10:50:00	27.9	27.6	121.0	27.8
03/10/2020 11:00:00	27.6	27.1	121.0	27.1
03/10/2020 11:10:00	25.7	24.7	121.0	24.6
03/10/2020 11:20:00	23.9	22.9	121.0	22.7
03/10/2020 11:30:00	22.5	21.6	121.0	21.2
03/10/2020 11:40:00	21.5	20.7	121.0	20.1
03/10/2020 11:50:00	20.6	20.0	121.0	19.3
03/10/2020 12:00:00	20.0	19.4	121.0	18.7
03/10/2020 12:10:00	19.6	19.0	121.0	18.2
03/10/2020 12:20:00	19.2	18.7	121.0	17.9
03/10/2020 12:30:00	18.9	18.4	121.0	17.6
03/10/2020 12:40:00	18.7	18.2	121.0	17.3
03/10/2020 12:50:00	18.5	18.1	121.0	17.1
03/10/2020 13:00:00	18.3	17.9	121.0	17.0
03/10/2020 13:10:00	18.2	17.8	121.0	16.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSF.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSF.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSF.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
03/10/2020 13:20:00	28.4	121.0	100.0	-0.14	1.50	0
03/10/2020 13:30:00	28.3	121.0	100.0	-0.14	1.50	0
03/10/2020 13:40:00	28.1	121.0	100.0	-0.14	1.50	0
03/10/2020 13:50:00	28.0	121.0	100.0	-0.14	1.50	0
03/10/2020 14:00:00	27.9	121.0	100.0	-0.14	1.50	0
03/10/2020 14:10:00	27.8	121.0	100.0	-0.14	1.50	0
03/10/2020 14:20:00	27.7	121.0	100.0	-0.14	1.50	0
03/10/2020 14:30:00	27.6	121.0	100.0	-0.14	1.50	0
03/10/2020 14:40:00	27.5	121.0	100.0	-0.14	1.50	0
03/10/2020 14:50:00	27.4	121.0	100.0	-0.14	1.50	0
03/10/2020 15:00:00	27.2	121.0	100.0	-0.14	1.50	0
03/10/2020 15:10:00	27.1	121.0	100.0	-0.14	1.50	0
03/10/2020 15:20:00	27.0	121.0	100.0	-0.14	1.50	0
03/10/2020 15:30:00	26.9	121.0	100.0	-0.14	1.50	0
03/10/2020 15:40:00	26.8	121.0	100.0	-0.14	1.50	0
03/10/2020 15:50:00	26.8	121.0	100.0	-0.13	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
03/10/2020 13:20:00	100	143	14.4	20.4	18.1	15.2
03/10/2020 13:30:00	100	143	14.3	20.1	18.0	15.1
03/10/2020 13:40:00	100	143	14.3	19.8	17.8	15.1
03/10/2020 13:50:00	100	143	14.6	19.6	17.8	15.3
03/10/2020 14:00:00	100	143	14.5	19.3	17.8	15.3
03/10/2020 14:10:00	100	143	14.6	19.2	17.8	15.4
03/10/2020 14:20:00	100	143	14.4	18.9	17.8	15.2
03/10/2020 14:30:00	100	143	14.5	18.8	17.8	15.3
03/10/2020 14:40:00	100	143	14.6	18.7	17.9	15.4
03/10/2020 14:50:00	100	143	14.6	18.6	17.9	15.4
03/10/2020 15:00:00	100	143	14.6	18.5	17.9	15.5
03/10/2020 15:10:00	100	143	14.5	18.4	17.8	15.4
03/10/2020 15:20:00	100	143	14.5	18.3	17.8	15.4
03/10/2020 15:30:00	100	143	14.5	18.2	17.8	15.4
03/10/2020 15:40:00	100	143	14.5	18.2	17.9	15.4
03/10/2020 15:50:00	100	142	15.4	18.2	18.3	16.1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 13:20:00	17.8	16.6	18.5	17.2	16.0	18.0
03/10/2020 13:30:00	17.7	16.5	18.3	17.1	15.9	17.8
03/10/2020 13:40:00	17.5	16.4	18.2	17.0	15.8	17.7
03/10/2020 13:50:00	17.5	16.5	18.2	17.1	16.1	17.7
03/10/2020 14:00:00	17.5	16.5	18.1	17.0	16.0	17.7
03/10/2020 14:10:00	17.5	16.5	18.1	17.1	16.0	17.7
03/10/2020 14:20:00	17.4	16.3	18.1	16.9	15.9	17.6
03/10/2020 14:30:00	17.5	16.4	18.1	17.0	16.0	17.6
03/10/2020 14:40:00	17.6	16.5	18.2	17.0	16.1	17.7
03/10/2020 14:50:00	17.7	16.6	18.3	17.1	16.1	17.8
03/10/2020 15:00:00	17.7	16.5	18.3	17.1	16.1	17.8
03/10/2020 15:10:00	17.7	16.4	18.2	17.0	16.0	17.8
03/10/2020 15:20:00	17.7	16.4	18.2	16.9	16.0	17.8
03/10/2020 15:30:00	17.7	16.4	18.3	17.0	16.0	17.8
03/10/2020 15:40:00	17.7	16.5	18.3	17.0	16.1	17.8
03/10/2020 15:50:00	18.1	17.3	18.6	17.5	16.9	18.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
03/10/2020 13:20:00	18.1	17.7	121.0	16.7
03/10/2020 13:30:00	17.9	17.6	121.0	16.6
03/10/2020 13:40:00	17.9	17.5	121.0	16.6
03/10/2020 13:50:00	17.8	17.6	121.0	16.7
03/10/2020 14:00:00	17.9	17.5	121.0	16.7
03/10/2020 14:10:00	17.9	17.6	121.0	16.7
03/10/2020 14:20:00	17.7	17.4	121.0	16.6
03/10/2020 14:30:00	17.7	17.5	121.0	16.7
03/10/2020 14:40:00	17.8	17.5	121.0	17.0
03/10/2020 14:50:00	17.8	17.6	121.0	17.1
03/10/2020 15:00:00	17.9	17.6	121.0	17.2
03/10/2020 15:10:00	17.9	17.6	121.0	17.1
03/10/2020 15:20:00	17.9	17.6	121.0	17.1
03/10/2020 15:30:00	17.9	17.5	121.0	17.2
03/10/2020 15:40:00	17.9	17.5	121.0	17.3
03/10/2020 15:50:00	18.5	18.1	121.0	17.8

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:38		Page 304 of 905



**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSF.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSF.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSF.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
03/10/2020 16:00:00	26.8	121.0	100.0	-0.13	1.50	0
03/10/2020 16:10:00	26.8	121.0	100.0	-0.13	1.50	0
03/10/2020 16:20:00	26.8	121.0	100.0	-0.13	1.50	0
03/10/2020 16:30:00	26.7	121.0	100.0	-0.13	1.50	0
03/10/2020 16:40:00	26.7	121.0	100.0	-0.12	1.50	0
03/10/2020 16:50:00	26.7	121.0	100.0	-0.12	1.50	0
03/10/2020 17:00:00	26.7	121.0	100.0	-0.12	1.50	0
03/10/2020 17:10:00	26.7	121.0	100.0	-0.12	1.50	0
03/10/2020 17:20:00	26.7	121.0	100.0	-0.12	1.50	0
03/10/2020 17:30:00	26.6	121.0	100.0	-0.12	1.50	0
03/10/2020 17:40:00	26.6	121.0	100.0	-0.12	1.50	0
03/10/2020 17:50:00	26.6	121.0	100.0	-0.11	1.50	0
03/10/2020 18:00:00	26.6	121.0	100.0	-0.11	1.50	0
03/10/2020 18:10:00	26.6	121.0	100.0	-0.11	1.50	0
03/10/2020 18:20:00	26.6	121.0	100.0	-0.11	1.50	0
03/10/2020 18:30:00	26.6	121.0	100.0	-0.11	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
03/10/2020 16:00:00	100	141	16.6	18.4	19.0	17.4
03/10/2020 16:10:00	100	141	17.5	18.7	19.7	18.4
03/10/2020 16:20:00	100	141	18.3	18.9	20.2	19.2
03/10/2020 16:30:00	100	140	19.0	19.2	20.7	19.9
03/10/2020 16:40:00	100	140	19.7	19.4	21.1	20.5
03/10/2020 16:50:00	100	140	20.2	19.7	21.5	21.0
03/10/2020 17:00:00	100	140	20.7	20.0	21.9	21.4
03/10/2020 17:10:00	100	140	21.1	20.2	22.2	21.7
03/10/2020 17:20:00	100	140	21.4	20.5	22.5	22.1
03/10/2020 17:30:00	100	141	21.7	20.7	22.7	22.3
03/10/2020 17:40:00	100	140	21.9	20.9	22.9	22.6
03/10/2020 17:50:00	100	140	22.2	21.2	23.1	22.9
03/10/2020 18:00:00	100	140	22.4	21.4	23.4	23.1
03/10/2020 18:10:00	100	140	22.7	21.6	23.6	23.2
03/10/2020 18:20:00	100	140	22.9	21.8	23.8	23.5
03/10/2020 18:30:00	100	140	23.2	22.0	24.0	23.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 16:00:00	18.8	18.2	19.1	18.3	17.9	19.6
03/10/2020 16:10:00	19.4	19.0	19.7	19.1	18.7	20.4
03/10/2020 16:20:00	20.0	19.6	20.2	19.8	19.5	21.1
03/10/2020 16:30:00	20.5	20.2	20.7	20.4	20.1	21.6
03/10/2020 16:40:00	20.9	20.7	21.1	20.9	20.7	22.0
03/10/2020 16:50:00	21.3	21.1	21.5	21.4	21.2	22.4
03/10/2020 17:00:00	21.6	21.5	21.8	21.8	21.6	22.7
03/10/2020 17:10:00	21.9	21.8	22.2	22.1	22.0	23.0
03/10/2020 17:20:00	22.1	22.1	22.4	22.4	22.3	23.3
03/10/2020 17:30:00	22.4	22.4	22.7	22.7	22.6	23.5
03/10/2020 17:40:00	22.6	22.6	23.0	22.9	22.8	23.8
03/10/2020 17:50:00	22.8	22.9	23.2	23.1	23.1	24.0
03/10/2020 18:00:00	23.1	23.1	23.4	23.4	23.3	24.2
03/10/2020 18:10:00	23.2	23.3	23.6	23.5	23.5	24.2
03/10/2020 18:20:00	23.5	23.5	23.8	23.7	23.7	24.3
03/10/2020 18:30:00	23.7	23.8	24.0	23.9	23.9	24.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
03/10/2020 16:00:00	19.7	19.1	121.0	18.7
03/10/2020 16:10:00	20.5	19.9	121.0	19.5
03/10/2020 16:20:00	21.2	20.5	121.0	20.2
03/10/2020 16:30:00	21.7	21.0	121.0	20.7
03/10/2020 16:40:00	22.1	21.4	121.0	21.2
03/10/2020 16:50:00	22.5	21.8	121.0	21.6
03/10/2020 17:00:00	22.8	22.1	121.0	22.0
03/10/2020 17:10:00	23.1	22.4	121.0	22.3
03/10/2020 17:20:00	23.4	22.7	121.0	22.6
03/10/2020 17:30:00	23.6	23.0	121.0	22.9
03/10/2020 17:40:00	23.8	23.2	121.0	23.1
03/10/2020 17:50:00	24.1	23.4	121.0	23.4
03/10/2020 18:00:00	24.2	23.6	121.0	23.6
03/10/2020 18:10:00	24.3	23.8	121.0	23.8
03/10/2020 18:20:00	24.4	24.0	121.0	23.9
03/10/2020 18:30:00	24.6	24.1	121.0	24.1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSFCV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSFCV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSFCV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
03/10/2020 18:40:00	26.5	121.0	100.0	-0.11	1.50	0
03/10/2020 18:50:00	26.5	121.0	100.0	-0.11	1.50	0
03/10/2020 19:00:00	26.5	121.0	100.0	-0.11	1.50	0
03/10/2020 19:10:00	26.5	121.0	100.0	-0.11	1.50	0
03/10/2020 19:20:00	26.5	121.0	100.0	-0.11	1.50	0
03/10/2020 19:30:00	26.5	121.0	100.0	-0.11	1.50	0
03/10/2020 19:40:00	26.5	121.0	100.0	-0.11	1.50	0
03/10/2020 19:50:00	26.5	121.0	100.0	-0.11	1.50	0
03/10/2020 20:00:00	26.5	121.0	100.0	-0.11	1.50	0
03/10/2020 20:10:00	26.5	121.0	100.0	-0.10	1.50	0
03/10/2020 20:20:00	26.5	121.0	100.0	-0.10	1.50	0
03/10/2020 20:30:00	26.5	121.0	100.0	-0.10	1.50	0
03/10/2020 20:40:00	26.5	121.0	100.0	-0.10	1.50	0
03/10/2020 20:50:00	26.5	121.0	100.0	-0.10	1.50	0
03/10/2020 21:00:00	26.5	121.0	100.0	-0.10	1.50	0
03/10/2020 21:10:00	26.4	121.0	100.0	-0.10	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
03/10/2020 18:40:00	100	140	23.4	22.2	24.2	23.9
03/10/2020 18:50:00	100	140	23.7	22.4	24.4	24.1
03/10/2020 19:00:00	100	140	23.8	22.6	24.5	24.2
03/10/2020 19:10:00	100	140	24.0	22.8	24.7	24.3
03/10/2020 19:20:00	100	140	24.1	23.0	24.8	24.5
03/10/2020 19:30:00	100	140	24.2	23.1	25.0	24.6
03/10/2020 19:40:00	100	140	24.4	23.2	25.1	24.7
03/10/2020 19:50:00	100	140	24.4	23.4	25.2	24.7
03/10/2020 20:00:00	100	139	24.5	23.5	25.2	24.8
03/10/2020 20:10:00	100	139	24.6	23.7	25.3	24.9
03/10/2020 20:20:00	100	139	24.7	23.8	25.3	24.9
03/10/2020 20:30:00	100	139	24.7	23.9	25.4	25.0
03/10/2020 20:40:00	100	139	24.8	24.0	25.4	25.0
03/10/2020 20:50:00	100	139	24.8	24.1	25.5	25.1
03/10/2020 21:00:00	100	139	24.9	24.2	25.5	25.1
03/10/2020 21:10:00	100	139	24.9	24.3	25.6	25.1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 18:40:00	23.9	23.9	24.2	24.1	24.1	24.6
03/10/2020 18:50:00	24.1	24.1	24.3	24.3	24.3	24.8
03/10/2020 19:00:00	24.2	24.3	24.5	24.5	24.5	24.9
03/10/2020 19:10:00	24.3	24.5	24.6	24.6	24.6	25.0
03/10/2020 19:20:00	24.5	24.6	24.7	24.8	24.7	25.1
03/10/2020 19:30:00	24.6	24.7	24.9	24.9	24.9	25.2
03/10/2020 19:40:00	24.7	24.8	25.0	25.0	24.9	25.4
03/10/2020 19:50:00	24.8	24.8	25.0	25.1	25.0	25.5
03/10/2020 20:00:00	24.9	24.9	25.1	25.2	25.0	25.6
03/10/2020 20:10:00	25.0	24.9	25.2	25.3	25.1	25.7
03/10/2020 20:20:00	25.0	25.0	25.3	25.3	25.2	25.8
03/10/2020 20:30:00	25.1	25.1	25.3	25.4	25.2	25.9
03/10/2020 20:40:00	25.2	25.1	25.4	25.4	25.3	26.0
03/10/2020 20:50:00	25.2	25.2	25.4	25.5	25.3	26.0
03/10/2020 21:00:00	25.3	25.2	25.5	25.5	25.3	26.1
03/10/2020 21:10:00	25.4	25.3	25.5	25.5	25.4	26.2

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>MEDIA STERILIZATION WITH FILTER (MSF)</b>				
<b>DATE &amp; TIME</b>	<b>Temp- Exhaust Line Drain TICR-0213/PV.CV</b>	<b>Temp- Sparger Line Drain TICR-0214/PV.CV</b>	<b>FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV</b>	<b>Temp- Sparger Line Drain TICR-0215/PV.CV</b>
03/10/2020 18:40:00	24.7	24.3	121.0	24.3
03/10/2020 18:50:00	24.9	24.5	121.0	24.5
03/10/2020 19:00:00	25.0	24.6	121.0	24.7
03/10/2020 19:10:00	25.2	24.8	121.0	24.8
03/10/2020 19:20:00	25.3	24.9	121.0	24.9
03/10/2020 19:30:00	25.4	25.0	121.0	25.1
03/10/2020 19:40:00	25.5	25.1	121.0	25.2
03/10/2020 19:50:00	25.7	25.2	121.0	25.3
03/10/2020 20:00:00	25.8	25.3	121.0	25.4
03/10/2020 20:10:00	25.9	25.4	121.0	25.5
03/10/2020 20:20:00	26.0	25.4	121.0	25.6
03/10/2020 20:30:00	26.1	25.5	121.0	25.7
03/10/2020 20:40:00	26.2	25.6	121.0	25.7
03/10/2020 20:50:00	26.2	25.7	121.0	25.8
03/10/2020 21:00:00	26.3	25.7	121.0	25.9
03/10/2020 21:10:00	26.4	25.8	121.0	26.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:38		Page 312 of 905



**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSF-ST01) 200-RPT/TICR- 201_SP_MSF.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSF.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSF- PSP01) 200-RPT/PICR- 201_PSP_MSF.CV	AGITATOR AGT-0201 SICR-0201/AO1/PV.CV
03/10/2020 21:20:00	26.4	121.0	100.0	-0.10	1.50	0
03/10/2020 21:30:00	26.4	121.0	100.0	-0.10	1.50	0
03/10/2020 21:40:00	26.4	121.0	100.0	-0.10	1.50	0
03/10/2020 21:50:00	26.4	121.0	100.0	-0.10	1.50	0
03/10/2020 22:00:00	26.4	121.0	100.0	-0.10	1.50	0
03/10/2020 22:10:00	26.4	121.0	100.0	-0.10	1.50	0
03/10/2020 22:20:00	26.4	121.0	100.0	-0.10	1.50	0
03/10/2020 22:30:00	26.4	121.0	100.0	-0.10	1.50	0
03/10/2020 22:40:00	26.4	121.0	100.0	-0.10	1.50	0
03/10/2020 22:50:00	26.4	121.0	100.0	-0.10	1.50	0
03/10/2020 23:00:00	26.4	121.0	100.0	-0.10	1.50	0
03/10/2020 23:10:00	26.4	121.0	100.0	-0.10	1.50	0
03/10/2020 23:20:00	26.4	121.0	100.0	-0.10	1.50	0
03/10/2020 23:30:00	26.4	121.0	100.0	-0.10	1.50	0
03/10/2020 23:40:00	26.4	121.0	100.0	-0.10	1.50	0
03/10/2020 23:50:00	26.4	121.0	100.0	-0.10	1.50	0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	AGITATION SPEED SP (CIP-AGS01) 200-RPT/SICR- 201_SP_MSF.CV	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV
03/10/2020 21:20:00	100	139	24.9	24.4	25.7	25.2
03/10/2020 21:30:00	100	139	25.0	24.5	25.7	25.2
03/10/2020 21:40:00	100	139	25.0	24.6	25.8	25.2
03/10/2020 21:50:00	100	139	25.1	24.7	25.8	25.2
03/10/2020 22:00:00	100	139	25.1	24.8	25.9	25.2
03/10/2020 22:10:00	100	139	25.1	24.9	25.9	25.3
03/10/2020 22:20:00	100	138	25.2	25.0	26.0	25.3
03/10/2020 22:30:00	100	138	25.2	25.0	26.0	25.3
03/10/2020 22:40:00	100	138	25.2	25.1	26.0	25.3
03/10/2020 22:50:00	100	138	25.2	25.2	26.1	25.3
03/10/2020 23:00:00	100	138	25.3	25.2	26.2	25.4
03/10/2020 23:10:00	100	138	25.3	25.3	26.2	25.3
03/10/2020 23:20:00	100	138	25.3	25.4	26.3	25.3
03/10/2020 23:30:00	100	138	25.3	25.4	26.3	25.3
03/10/2020 23:40:00	100	138	25.3	25.5	26.3	25.3
03/10/2020 23:50:00	100	138	25.4	25.6	26.3	25.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV	Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV
03/10/2020 21:20:00	25.4	25.3	25.6	25.6	25.5	26.2
03/10/2020 21:30:00	25.5	25.4	25.6	25.6	25.5	26.3
03/10/2020 21:40:00	25.5	25.4	25.6	25.7	25.6	26.3
03/10/2020 21:50:00	25.6	25.5	25.7	25.7	25.6	26.4
03/10/2020 22:00:00	25.6	25.5	25.7	25.8	25.6	26.4
03/10/2020 22:10:00	25.7	25.5	25.8	25.8	25.7	26.5
03/10/2020 22:20:00	25.7	25.6	25.8	25.8	25.7	26.5
03/10/2020 22:30:00	25.8	25.6	25.8	25.9	25.8	26.5
03/10/2020 22:40:00	25.8	25.7	25.9	25.9	25.8	26.6
03/10/2020 22:50:00	25.9	25.8	25.9	26.0	25.9	26.6
03/10/2020 23:00:00	25.9	25.9	26.0	26.1	26.0	26.6
03/10/2020 23:10:00	26.0	25.9	26.1	26.2	26.1	26.7
03/10/2020 23:20:00	26.0	26.0	26.1	26.2	26.1	26.7
03/10/2020 23:30:00	26.0	26.0	26.2	26.2	26.2	26.7
03/10/2020 23:40:00	26.1	26.0	26.2	26.3	26.2	26.8
03/10/2020 23:50:00	26.1	26.1	26.3	26.3	26.2	26.8

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH FILTER (MSF)**

DATE & TIME	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV	FILTER STERILIZATION TEMP SP (MSF-FST01) 200-RPT/TICR- 214_SP_MSF.CV	Temp- Sparger Line Drain TICR-0215/PV.CV
03/10/2020 21:20:00	26.4	25.9	121.0	26.0
03/10/2020 21:30:00	26.5	25.9	121.0	26.1
03/10/2020 21:40:00	26.5	26.0	121.0	26.2
03/10/2020 21:50:00	26.6	26.0	121.0	26.2
03/10/2020 22:00:00	26.6	26.1	121.0	26.3
03/10/2020 22:10:00	26.7	26.1	121.0	26.3
03/10/2020 22:20:00	26.7	26.1	121.0	26.4
03/10/2020 22:30:00	26.8	26.2	121.0	26.4
03/10/2020 22:40:00	26.8	26.2	121.0	26.5
03/10/2020 22:50:00	26.8	26.3	121.0	26.5
03/10/2020 23:00:00	26.9	26.3	121.0	26.6
03/10/2020 23:10:00	26.9	26.4	121.0	26.6
03/10/2020 23:20:00	26.9	26.4	121.0	26.6
03/10/2020 23:30:00	26.9	26.4	121.0	26.7
03/10/2020 23:40:00	26.9	26.5	121.0	26.7
03/10/2020 23:50:00	27.0	26.5	121.0	26.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 00:00:00	27.7	121.0	80.0	-0.1	1.5	0	100
01/10/2020 00:10:00	27.6	121.0	80.0	-0.1	1.5	0	100
01/10/2020 00:20:00	27.5	121.0	80.0	-0.1	1.5	0	100
01/10/2020 00:30:00	27.3	121.0	80.0	-0.1	1.5	0	100
01/10/2020 00:40:00	27.2	121.0	80.0	-0.1	1.5	0	100
01/10/2020 00:50:00	27.1	121.0	80.0	-0.1	1.5	0	100
01/10/2020 01:00:00	27.0	121.0	80.0	-0.1	1.5	0	100
01/10/2020 01:10:00	26.9	121.0	80.0	-0.1	1.5	0	100
01/10/2020 01:20:00	26.8	121.0	80.0	-0.1	1.5	0	100
01/10/2020 01:30:00	26.7	121.0	80.0	-0.1	1.5	0	100
01/10/2020 01:40:00	26.6	121.0	80.0	-0.1	1.5	0	100
01/10/2020 01:50:00	26.5	121.0	80.0	-0.1	1.5	0	100
01/10/2020 02:00:00	26.4	121.0	80.0	-0.1	1.5	0	100
01/10/2020 02:10:00	26.3	121.0	80.0	-0.1	1.5	0	100
01/10/2020 02:20:00	26.2	121.0	80.0	-0.1	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 02:30:00	26.1	121.0	80.0	-0.1	1.5	0	100

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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
01/10/2020 00:00:00	162	14.0	16.6	16.9	14.4	16.4	15.6
01/10/2020 00:10:00	162	13.9	16.5	16.9	14.4	16.4	15.6
01/10/2020 00:20:00	162	13.9	16.5	16.9	14.3	16.4	15.5
01/10/2020 00:30:00	162	13.9	16.4	16.8	14.4	16.4	15.6
01/10/2020 00:40:00	162	13.9	16.4	16.8	14.4	16.3	15.5
01/10/2020 00:50:00	162	13.9	16.4	16.8	14.3	16.3	15.4
01/10/2020 01:00:00	162	13.9	16.3	16.8	14.3	16.3	15.4
01/10/2020 01:10:00	162	13.9	16.3	16.8	14.3	16.3	15.4
01/10/2020 01:20:00	162	13.9	16.3	16.8	14.3	16.3	15.4
01/10/2020 01:30:00	162	13.9	16.2	16.8	14.2	16.2	15.4
01/10/2020 01:40:00	162	13.8	16.2	16.7	14.2	16.2	15.4
01/10/2020 01:50:00	162	13.8	16.2	16.7	14.2	16.2	15.3
01/10/2020 02:00:00	162	13.8	16.2	16.7	14.2	16.2	15.3
01/10/2020 02:10:00	162	13.8	16.1	16.7	14.2	16.2	15.3
01/10/2020 02:20:00	162	13.8	16.1	16.7	14.2	16.1	15.3
01/10/2020 02:30:00	162	13.8	16.1	16.6	14.2	16.1	15.2

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
01/10/2020 00:00:00	16.3	15.9	15.0	16.2	16.3
16.2	01/10/2020 00:10:00	16.3	15.8	15.0	16.1
16.3	16.2	01/10/2020 00:20:00	16.3	15.8	15.0
16.1	16.3	16.2	01/10/2020 00:30:00	16.2	15.8
15.0	16.1	16.3	16.2	01/10/2020 00:40:00	16.2
15.8	15.0	16.1	16.3	16.2	01/10/2020 00:50:00
16.2	15.8	14.9	16.1	16.3	16.2
01/10/2020 01:00:00	16.2	15.8	14.9	16.1	16.3
16.2	01/10/2020 01:10:00	16.2	15.8	14.9	16.0
16.2	16.1	01/10/2020 01:20:00	16.1	15.8	14.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
16.0	16.2	16.1	01/10/2020 01:30:00	16.1	15.7
14.9	16.0	16.2	16.1	01/10/2020 01:40:00	16.1
15.7	14.8	16.0	16.2	16.1	01/10/2020 01:50:00
16.1	15.7	14.9	16.0	16.2	16.1
01/10/2020 02:00:00	16.0	15.7	14.8	16.0	16.2
16.0	01/10/2020 02:10:00	16.0	15.7	14.8	16.0
16.1	16.0	01/10/2020 02:20:00	16.0	15.6	14.8
15.9	16.1	16.0	01/10/2020 02:30:00	16.0	15.6

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 02:40:00	26.0	121.0	80.0	-0.1	1.5	0	100
01/10/2020 02:50:00	25.9	121.0	80.0	-0.1	1.5	0	100
01/10/2020 03:00:00	25.8	121.0	80.0	-0.1	1.5	0	100
01/10/2020 03:10:00	25.7	121.0	80.0	-0.1	1.5	0	100
01/10/2020 03:20:00	25.6	121.0	80.0	-0.1	1.5	0	100
01/10/2020 03:30:00	25.5	121.0	80.0	-0.1	1.5	0	100
01/10/2020 03:40:00	25.4	121.0	80.0	-0.1	1.5	0	100
01/10/2020 03:50:00	25.3	121.0	80.0	-0.1	1.5	0	100
01/10/2020 04:00:00	25.2	121.0	80.0	-0.1	1.5	0	100
01/10/2020 04:10:00	25.2	121.0	80.0	-0.1	1.5	0	100
01/10/2020 04:20:00	25.1	121.0	80.0	-0.1	1.5	0	100
01/10/2020 04:30:00	25.0	121.0	80.0	-0.1	1.5	0	100
01/10/2020 04:40:00	24.9	121.0	80.0	-0.1	1.5	0	100
01/10/2020 04:50:00	24.8	121.0	80.0	-0.1	1.5	0	100
01/10/2020 05:00:00	24.7	121.0	80.0	-0.1	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 05:10:00	24.6	121.0	80.0	-0.1	1.5	0	100

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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
01/10/2020 02:40:00	162	13.8	16.1	16.6	14.2	16.1	15.2
01/10/2020 02:50:00	162	13.7	16.0	16.6	14.1	16.1	15.2
01/10/2020 03:00:00	162	13.7	16.0	16.5	14.1	16.0	15.1
01/10/2020 03:10:00	162	13.7	16.0	16.5	14.1	16.0	15.1
01/10/2020 03:20:00	162	13.7	16.0	16.5	14.1	16.0	15.1
01/10/2020 03:30:00	162	13.7	15.9	16.5	14.0	16.0	15.1
01/10/2020 03:40:00	162	13.7	15.9	16.4	14.0	16.0	15.1
01/10/2020 03:50:00	162	13.7	15.9	16.4	14.0	15.9	15.1
01/10/2020 04:00:00	162	13.6	15.9	16.4	14.0	15.9	15.1
01/10/2020 04:10:00	162	13.6	15.9	16.4	14.0	15.9	15.0
01/10/2020 04:20:00	162	13.6	15.8	16.4	14.0	15.9	15.0
01/10/2020 04:30:00	162	13.6	15.8	16.4	14.0	15.9	15.0
01/10/2020 04:40:00	162	13.6	15.8	16.3	14.0	15.9	15.0
01/10/2020 04:50:00	162	13.6	15.8	16.3	13.9	15.8	14.9
01/10/2020 05:00:00	162	13.6	15.8	16.3	13.9	15.8	14.9
01/10/2020 05:10:00	162	13.6	15.7	16.3	13.9	15.8	14.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
01/10/2020 02:40:00	15.9	15.6	14.8	15.9	16.1
15.9	01/10/2020 02:50:00	15.9	15.6	14.7	15.9
16.1	15.9	01/10/2020 03:00:00	15.9	15.6	14.7
15.9	16.0	15.9	01/10/2020 03:10:00	15.9	15.6
14.7	15.9	16.0	15.9	01/10/2020 03:20:00	15.9
15.6	14.7	15.8	16.0	15.9	01/10/2020 03:30:00
15.8	15.5	14.6	15.8	16.0	15.8
01/10/2020 03:40:00	15.8	15.5	14.7	15.8	16.0
15.8	01/10/2020 03:50:00	15.8	15.5	14.6	15.8
16.0	15.8	01/10/2020 04:00:00	15.8	15.5	14.6

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
15.8	16.0	15.8	01/10/2020 04:10:00	15.8	15.5
14.6	15.8	16.0	15.8	01/10/2020 04:20:00	15.8
15.5	14.6	15.7	15.9	15.8	01/10/2020 04:30:00
15.7	15.4	14.6	15.7	15.9	15.7
01/10/2020 04:40:00	15.7	15.4	14.6	15.7	15.9
15.7	01/10/2020 04:50:00	15.7	15.4	14.5	15.7
15.9	15.7	01/10/2020 05:00:00	15.7	15.4	14.5
15.7	15.9	15.7	01/10/2020 05:10:00	15.7	15.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 05:20:00	24.5	121.0	80.0	-0.1	1.5	0	100
01/10/2020 05:30:00	24.5	121.0	80.0	-0.1	1.5	0	100
01/10/2020 05:40:00	24.4	121.0	80.0	-0.1	1.5	0	100
01/10/2020 05:50:00	24.3	121.0	80.0	-0.1	1.5	0	100
01/10/2020 06:00:00	24.2	121.0	80.0	-0.1	1.5	0	100
01/10/2020 06:10:00	24.2	121.0	80.0	-0.1	1.5	0	100
01/10/2020 06:20:00	24.1	121.0	80.0	-0.1	1.5	0	100
01/10/2020 06:30:00	24.0	121.0	80.0	-0.1	1.5	0	100
01/10/2020 06:40:00	23.9	121.0	80.0	-0.1	1.5	0	100
01/10/2020 06:50:00	23.9	121.0	80.0	-0.1	1.5	0	100
01/10/2020 07:00:00	23.8	121.0	80.0	-0.1	1.5	0	100
01/10/2020 07:10:00	23.7	121.0	80.0	-0.1	1.5	0	100
01/10/2020 07:20:00	23.6	121.0	80.0	-0.1	1.5	0	100
01/10/2020 07:30:00	23.5	121.0	80.0	-0.1	1.5	0	100
01/10/2020 07:40:00	23.5	121.0	80.0	-0.1	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 07:50:00	23.4	121.0	80.0	-0.1	1.5	0	100

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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
01/10/2020 05:20:00	162	13.6	15.7	16.2	13.9	15.8	14.9
01/10/2020 05:30:00	162	13.6	15.7	16.2	13.9	15.8	14.9
01/10/2020 05:40:00	162	13.5	15.7	16.2	13.9	15.8	14.8
01/10/2020 05:50:00	162	13.5	15.7	16.2	13.9	15.8	14.8
01/10/2020 06:00:00	162	13.5	15.6	16.2	13.9	15.7	14.8
01/10/2020 06:10:00	162	13.5	15.6	16.2	13.9	15.7	14.8
01/10/2020 06:20:00	162	13.5	15.6	16.1	13.9	15.7	14.8
01/10/2020 06:30:00	162	13.5	15.6	16.2	13.9	15.7	14.8
01/10/2020 06:40:00	162	13.5	15.6	16.1	13.9	15.7	14.8
01/10/2020 06:50:00	162	13.5	15.6	16.1	13.9	15.7	14.8
01/10/2020 07:00:00	162	13.5	15.6	16.1	13.9	15.7	14.8
01/10/2020 07:10:00	162	13.5	15.6	16.1	13.9	15.7	14.8
01/10/2020 07:20:00	162	13.5	15.6	16.0	13.8	15.7	14.7
01/10/2020 07:30:00	162	13.5	15.5	16.0	13.8	15.6	14.7
01/10/2020 07:40:00	162	13.5	15.5	16.0	13.8	15.6	14.7
01/10/2020 07:50:00	162	13.5	15.5	16.0	13.8	15.6	14.7

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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
01/10/2020 05:20:00	15.6	15.4	14.5	15.6	15.8
15.7	01/10/2020 05:30:00	15.6	15.4	14.5	15.6
15.8	15.7	01/10/2020 05:40:00	15.6	15.3	14.5
15.6	15.8	15.6	01/10/2020 05:50:00	15.6	15.3
14.5	15.6	15.8	15.6	01/10/2020 06:00:00	15.6
15.3	14.5	15.6	15.8	15.6	01/10/2020 06:10:00
15.6	15.3	14.5	15.6	15.8	15.6
01/10/2020 06:20:00	15.6	15.3	14.5	15.6	15.8
15.6	01/10/2020 06:30:00	15.6	15.3	14.5	15.6
15.7	15.6	01/10/2020 06:40:00	15.5	15.3	14.4

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
15.5	15.7	15.6	01/10/2020 06:50:00	15.5	15.3
14.4	15.5	15.7	15.6	01/10/2020 07:00:00	15.6
15.3	14.4	15.5	15.7	15.5	01/10/2020 07:10:00
15.5	15.3	14.4	15.5	15.7	15.5
01/10/2020 07:20:00	15.5	15.3	14.4	15.5	15.7
15.5	01/10/2020 07:30:00	15.5	15.2	14.4	15.5
15.7	15.5	01/10/2020 07:40:00	15.5	15.2	14.4
15.5	15.7	15.5	01/10/2020 07:50:00	15.5	15.2

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 08:00:00	23.3	121.0	80.0	-0.1	1.5	0	100
01/10/2020 08:10:00	23.3	121.0	80.0	-0.1	1.5	0	100
01/10/2020 08:20:00	23.2	121.0	80.0	-0.1	1.5	0	100
01/10/2020 08:30:00	23.1	121.0	80.0	-0.1	1.5	0	100
01/10/2020 08:40:00	23.1	121.0	80.0	-0.1	1.5	0	100
01/10/2020 08:50:00	23.0	121.0	80.0	-0.1	1.5	0	100
01/10/2020 09:00:00	22.9	121.0	80.0	-0.1	1.5	0	100
01/10/2020 09:10:00	22.9	121.0	80.0	-0.1	1.5	0	100
01/10/2020 09:20:00	22.8	121.0	80.0	-0.1	1.5	0	100
01/10/2020 09:30:00	22.7	121.0	80.0	-0.1	1.5	0	100
01/10/2020 09:40:00	22.7	121.0	80.0	-0.1	1.5	0	100
01/10/2020 09:50:00	22.6	121.0	80.0	-0.1	1.5	0	100
01/10/2020 10:00:00	22.5	121.0	80.0	-0.1	1.5	0	100
01/10/2020 10:10:00	22.5	121.0	80.0	-0.1	1.5	0	100
01/10/2020 10:20:00	22.5	121.0	80.0	-0.1	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 10:30:00	22.5	121.0	80.0	-0.1	1.5	0	100

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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
01/10/2020 08:00:00	162	13.5	15.5	16.0	13.8	15.6	14.7
01/10/2020 08:10:00	162	13.5	15.5	16.0	13.8	15.6	14.7
01/10/2020 08:20:00	162	13.4	15.5	16.0	13.8	15.6	14.7
01/10/2020 08:30:00	162	13.4	15.5	16.0	13.8	15.6	14.7
01/10/2020 08:40:00	162	13.4	15.5	16.0	13.8	15.6	14.7
01/10/2020 08:50:00	162	13.5	15.5	16.0	13.8	15.6	14.7
01/10/2020 09:00:00	162	13.4	15.5	15.9	13.8	15.6	14.7
01/10/2020 09:10:00	162	13.4	15.5	15.9	13.8	15.6	14.6
01/10/2020 09:20:00	162	13.4	15.4	15.9	13.8	15.5	14.6
01/10/2020 09:30:00	162	13.4	15.4	15.9	13.7	15.6	14.6
01/10/2020 09:40:00	162	13.4	15.4	15.9	13.8	15.5	14.6
01/10/2020 09:50:00	162	13.4	15.4	15.8	13.8	15.6	14.6
01/10/2020 10:00:00	162	13.4	15.4	15.8	13.8	15.6	14.6
01/10/2020 10:10:00	162	13.4	15.4	15.8	13.8	15.6	14.6
01/10/2020 10:20:00	162	13.5	15.4	15.9	14.0	15.7	15.0
01/10/2020 10:30:00	162	13.8	22.2	16.4	15.2	16.2	15.7

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
01/10/2020 08:00:00	15.5	15.2	14.4	15.5	15.7
15.5	01/10/2020 08:10:00	15.5	15.2	14.4	15.5
15.7	15.5	01/10/2020 08:20:00	15.5	15.2	14.4
15.5	15.7	15.5	01/10/2020 08:30:00	15.5	15.2
14.4	15.5	15.7	15.5	01/10/2020 08:40:00	15.5
15.2	14.4	15.5	15.7	15.5	01/10/2020 08:50:00
15.5	15.2	14.4	15.5	15.7	15.5
01/10/2020 09:00:00	15.4	15.2	14.4	15.5	15.6
15.5	01/10/2020 09:10:00	15.4	15.2	14.3	15.4
15.6	15.5	01/10/2020 09:20:00	15.4	15.2	14.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
15.4	15.6	15.4	01/10/2020 09:30:00	15.4	15.2
14.3	15.4	15.6	15.4	01/10/2020 09:40:00	15.4
15.2	14.3	15.4	15.6	15.5	01/10/2020 09:50:00
15.4	15.2	14.4	15.5	15.6	15.5
01/10/2020 10:00:00	15.4	15.2	14.4	15.4	15.6
15.5	01/10/2020 10:10:00	15.4	15.2	14.4	15.4
15.6	15.5	01/10/2020 10:20:00	15.6	15.3	14.7
15.6	15.8	15.6	01/10/2020 10:30:00	16.2	15.9

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 10:40:00	22.5	121.0	80.0	-0.1	1.5	0	100
01/10/2020 10:50:00	22.5	121.0	80.0	-0.1	1.5	0	100
01/10/2020 11:00:00	26.2	121.0	80.0	0.0	1.5	100	100
01/10/2020 11:10:00	26.2	121.0	80.0	0.0	1.5	100	100
01/10/2020 11:20:00	47.7	121.0	80.0	0.1	1.5	100	100
01/10/2020 11:30:00	85.8	121.0	80.0	0.0	1.5	100	100
01/10/2020 11:40:00	99.7	121.0	80.0	0.2	1.5	100	100
01/10/2020 11:50:00	101.9	121.0	80.0	0.2	1.5	0	100
01/10/2020 12:00:00	100.1	121.0	80.0	0.2	1.5	0	100
01/10/2020 12:10:00	98.6	121.0	80.0	0.1	1.5	0	100
01/10/2020 12:20:00	105.1	121.0	80.0	0.4	1.5	0	100
01/10/2020 12:30:00	105.3	121.0	80.0	0.4	1.5	0	100
01/10/2020 12:40:00	79.3	121.0	80.0	1.5	1.5	0	100
01/10/2020 12:50:00	58.1	121.0	80.0	1.5	1.5	0	100
01/10/2020 13:00:00	46.3	121.0	80.0	1.5	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 13:10:00	43.1	121.0	80.0	1.5	1.5	0	100

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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
01/10/2020 10:40:00	162	14.2	22.5	17.0	16.2	16.8	16.4
01/10/2020 10:50:00	162	14.6	12.8	17.7	17.2	17.5	17.2
01/10/2020 11:00:00	155	19.0	10.3	18.2	17.9	18.1	17.7
01/10/2020 11:10:00	154	18.3	9.9	18.6	18.7	18.7	18.0
01/10/2020 11:20:00	128	18.4	9.8	19.1	19.1	19.2	18.3
01/10/2020 11:30:00	129	19.1	9.8	19.8	19.2	20.0	18.8
01/10/2020 11:40:00	129	19.6	9.7	99.6	19.5	98.5	98.5
01/10/2020 11:50:00	129	19.6	10.3	55.5	20.6	55.0	52.5
01/10/2020 12:00:00	129	19.3	11.7	35.7	20.4	35.6	34.2
01/10/2020 12:10:00	129	19.0	10.2	29.2	20.2	29.4	28.8
01/10/2020 12:20:00	127	128.4	10.3	104.7	127.3	104.3	103.9
01/10/2020 12:30:00	127	128.8	10.1	104.8	127.7	104.4	104.0
01/10/2020 12:40:00	154	78.5	8.2	52.0	47.2	50.6	48.9
01/10/2020 12:50:00	153	52.0	7.8	36.1	29.3	34.0	35.4
01/10/2020 13:00:00	153	36.1	8.0	30.0	24.1	28.6	29.7
01/10/2020 13:10:00	153	27.9	8.2	26.8	21.6	25.8	26.7

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
01/10/2020 10:40:00	16.8	16.6	16.4	17.4	17.4
17.1	01/10/2020 10:50:00	17.6	17.3	17.2	18.4
18.4	18.0	01/10/2020 11:00:00	18.1	17.8	17.7
18.8	18.8	18.4	01/10/2020 11:10:00	18.5	18.2
17.9	19.3	19.2	125.2	01/10/2020 11:20:00	19.3
18.5	18.0	18.8	19.5	45.5	01/10/2020 11:30:00
20.7	18.9	18.3	19.8	19.9	30.2
01/10/2020 11:40:00	99.5	97.9	98.1	98.7	99.9
26.0	01/10/2020 11:50:00	55.9	56.5	48.5	48.4
50.5	24.8	01/10/2020 12:00:00	37.6	36.4	31.3

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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
29.6	30.8	23.8	01/10/2020 12:10:00	30.7	28.9
25.8	24.7	25.5	23.0	01/10/2020 12:20:00	104.6
104.2	103.6	103.7	104.8	23.7	01/10/2020 12:30:00
104.8	104.4	103.9	103.9	104.9	24.5
01/10/2020 12:40:00	52.8	54.9	46.4	44.7	45.3
24.1	01/10/2020 12:50:00	38.4	38.5	32.5	30.9
31.4	23.0	01/10/2020 13:00:00	31.4	31.4	27.1
26.1	26.5	22.3	01/10/2020 13:10:00	27.7	27.4

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 13:20:00	41.9	121.0	80.0	1.5	1.5	0	100
01/10/2020 13:30:00	41.3	121.0	80.0	1.5	1.5	0	100
01/10/2020 13:40:00	40.9	121.0	80.0	1.5	1.5	0	100
01/10/2020 13:50:00	40.6	121.0	80.0	1.5	1.5	0	100
01/10/2020 14:00:00	40.3	121.0	80.0	1.5	1.5	0	100
01/10/2020 14:10:00	48.3	121.0	37.0	0.1	1.5	100	100
01/10/2020 14:20:00	85.8	121.0	37.0	0.0	1.5	100	100
01/10/2020 14:30:00	100.3	121.0	37.0	0.2	1.5	100	100
01/10/2020 14:40:00	108.1	121.0	37.0	0.5	1.5	100	100
01/10/2020 14:50:00	112.0	121.0	37.0	0.7	1.5	100	100
01/10/2020 15:00:00	113.7	121.0	37.0	0.8	1.5	100	100
01/10/2020 15:10:00	113.7	114.0	37.0	0.8	1.5	0	100
01/10/2020 15:20:00	111.8	119.7	37.0	0.7	1.5	0	100
01/10/2020 15:30:00	108.8	109.0	37.0	0.6	1.5	100	100
01/10/2020 15:40:00	107.5	109.0	37.0	0.5	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 15:50:00	105.6	105.0	37.0	1.8	1.5	100	100

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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
01/10/2020 13:20:00	153	23.5	9.3	24.8	20.5	24.1	24.8
01/10/2020 13:30:00	153	21.0	9.5	23.5	19.9	23.0	23.5
01/10/2020 13:40:00	153	19.5	9.5	22.6	19.5	22.2	22.7
01/10/2020 13:50:00	153	18.9	9.5	22.0	19.4	21.6	22.1
01/10/2020 14:00:00	153	18.4	9.5	21.6	19.3	21.1	21.7
01/10/2020 14:10:00	125	18.2	9.6	21.2	19.3	20.8	21.4
01/10/2020 14:20:00	126	19.2	9.6	21.4	20.4	21.1	21.2
01/10/2020 14:30:00	126	19.9	9.6	100.5	21.4	99.9	99.5
01/10/2020 14:40:00	126	19.9	9.6	108.2	22.5	107.5	107.2
01/10/2020 14:50:00	126	19.8	9.6	112.0	22.9	111.3	111.0
01/10/2020 15:00:00	125	19.9	9.6	113.6	23.3	112.9	112.6
01/10/2020 15:10:00	124	118.9	9.5	101.3	115.9	105.7	105.4
01/10/2020 15:20:00	125	69.1	9.4	51.2	44.6	50.8	49.1
01/10/2020 15:30:00	123	49.0	9.4	108.6	30.0	108.2	107.8
01/10/2020 15:40:00	123	36.7	9.4	64.4	25.1	62.7	61.2
01/10/2020 15:50:00	132	90.3	9.5	87.4	89.2	85.5	84.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
01/10/2020 13:20:00	25.6	25.0	22.7	22.6	22.9
21.3	01/10/2020 13:30:00	24.3	23.6	21.7	21.9
22.0	21.1	01/10/2020 13:40:00	23.3	22.5	21.0
21.4	21.5	20.8	01/10/2020 13:50:00	22.6	21.7
20.4	20.9	21.1	20.6	01/10/2020 14:00:00	22.1
21.2	19.9	20.7	20.8	20.5	01/10/2020 14:10:00
21.7	20.7	19.7	22.8	23.2	20.3
01/10/2020 14:20:00	22.0	20.7	19.8	21.1	21.5
21.0	01/10/2020 14:30:00	100.5	99.9	99.2	99.5
100.6	100.5	01/10/2020 14:40:00	108.2	107.6	107.1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
107.1	108.1	108.2	01/10/2020 14:50:00	111.9	111.3
110.9	110.9	112.0	112.0	01/10/2020 15:00:00	113.5
113.0	112.6	112.6	113.6	113.6	01/10/2020 15:10:00
106.6	104.1	104.8	100.8	103.6	54.3
01/10/2020 15:20:00	50.0	52.7	47.0	42.6	46.7
35.5	01/10/2020 15:30:00	108.5	108.1	107.6	107.8
108.7	108.5	01/10/2020 15:40:00	62.2	63.7	56.2
55.9	58.3	51.8	01/10/2020 15:50:00	87.2	87.6

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 16:00:00	71.6	105.0	80.0	1.5	1.5	0	100
01/10/2020 16:10:00	65.5	105.0	80.0	1.3	1.5	0	100
01/10/2020 16:20:00	63.5	105.0	80.0	1.3	1.5	0	100
01/10/2020 16:30:00	57.2	105.0	80.0	0.0	1.5	0	100
01/10/2020 16:40:00	50.9	105.0	80.0	0.0	1.5	0	100
01/10/2020 16:50:00	49.3	105.0	80.0	-0.1	1.5	0	100
01/10/2020 17:00:00	48.5	105.0	80.0	-0.1	1.5	0	100
01/10/2020 17:10:00	48.0	105.0	80.0	-0.1	1.5	0	100
01/10/2020 17:20:00	47.7	105.0	80.0	-0.1	1.5	0	100
01/10/2020 17:30:00	47.4	105.0	80.0	-0.1	1.5	0	100
01/10/2020 17:40:00	47.2	105.0	80.0	-0.1	1.5	0	100
01/10/2020 17:50:00	46.9	105.0	80.0	-0.1	1.5	0	100
01/10/2020 18:00:00	46.6	105.0	80.0	-0.1	1.5	0	100
01/10/2020 18:10:00	46.4	105.0	80.0	-0.1	1.5	0	100
01/10/2020 18:20:00	46.2	105.0	80.0	-0.1	1.5	0	100

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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 18:30:00	45.9	105.0	80.0	-0.2	1.5	0	100

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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
01/10/2020 16:00:00	149	54.2	8.1	44.2	31.1	42.5	42.7
01/10/2020 16:10:00	150	36.1	9.8	33.4	23.7	32.8	33.9
01/10/2020 16:20:00	150	34.2	8.5	30.8	23.4	30.2	31.2
01/10/2020 16:30:00	143	31.9	10.1	29.1	23.3	28.6	29.3
01/10/2020 16:40:00	139	31.3	12.0	28.2	23.2	27.6	28.2
01/10/2020 16:50:00	140	30.1	14.3	27.4	23.1	26.9	27.4
01/10/2020 17:00:00	141	28.9	15.9	26.9	23.1	26.5	26.9
01/10/2020 17:10:00	142	28.0	17.0	26.6	23.2	26.2	26.6
01/10/2020 17:20:00	142	27.4	17.8	26.4	23.4	26.1	26.4
01/10/2020 17:30:00	142	26.9	18.4	26.3	23.5	26.0	26.3
01/10/2020 17:40:00	143	26.5	18.8	26.2	23.7	26.0	26.3
01/10/2020 17:50:00	143	26.2	19.5	26.2	23.9	26.0	26.2
01/10/2020 18:00:00	143	26.0	20.2	26.2	24.0	26.0	26.1
01/10/2020 18:10:00	143	25.8	20.8	26.2	24.1	26.0	26.1
01/10/2020 18:20:00	144	25.6	21.4	26.2	24.1	26.1	26.2
01/10/2020 18:30:00	144	25.4	21.9	26.3	24.0	26.1	26.3

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
01/10/2020 16:00:00	46.6	46.3	39.1	41.9	42.4
33.9	01/10/2020 16:10:00	35.7	35.3	30.5	30.6
31.5	27.2	01/10/2020 16:20:00	32.2	31.9	29.1
28.0	28.8	26.1	01/10/2020 16:30:00	30.1	30.0
28.2	27.0	27.7	25.8	01/10/2020 16:40:00	28.7
29.0	27.5	26.9	27.4	25.4	01/10/2020 16:50:00
27.9	28.4	27.0	26.8	27.3	25.3
01/10/2020 17:00:00	27.3	28.0	26.7	26.9	27.3
25.2	01/10/2020 17:10:00	26.9	27.7	26.3	26.9
27.3	25.2	01/10/2020 17:20:00	26.6	27.6	26.2

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
26.9	27.3	25.3	01/10/2020 17:30:00	26.5	27.5
26.1	27.0	27.3	25.4	01/10/2020 17:40:00	26.4
27.4	26.1	27.0	27.3	25.5	01/10/2020 17:50:00
26.4	27.3	26.2	27.1	27.4	25.7
01/10/2020 18:00:00	26.5	27.2	26.3	27.1	27.4
25.8	01/10/2020 18:10:00	26.5	27.2	26.4	27.2
27.5	25.9	01/10/2020 18:20:00	26.6	27.1	26.5
27.2	27.5	26.1	01/10/2020 18:30:00	26.6	27.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 18:40:00	45.7	105.0	80.0	-0.2	1.5	0	100
01/10/2020 18:50:00	45.5	105.0	80.0	-0.2	1.5	0	100
01/10/2020 19:00:00	45.3	105.0	80.0	-0.2	1.5	0	100
01/10/2020 19:10:00	45.0	105.0	80.0	-0.2	1.5	0	100
01/10/2020 19:20:00	44.8	105.0	80.0	-0.2	1.5	0	100
01/10/2020 19:30:00	44.6	105.0	80.0	-0.2	1.5	0	100
01/10/2020 19:40:00	44.4	105.0	80.0	-0.2	1.5	0	100
01/10/2020 19:50:00	44.2	105.0	80.0	-0.2	1.5	0	100
01/10/2020 20:00:00	44.0	105.0	80.0	-0.2	1.5	0	100
01/10/2020 20:10:00	43.8	105.0	80.0	-0.2	1.5	0	100
01/10/2020 20:20:00	43.6	105.0	80.0	-0.2	1.5	0	100
01/10/2020 20:30:00	43.4	105.0	80.0	-0.2	1.5	0	100
01/10/2020 20:40:00	43.2	105.0	80.0	-0.2	1.5	0	100
01/10/2020 20:50:00	43.1	105.0	80.0	-0.2	1.5	0	100
01/10/2020 21:00:00	42.9	105.0	80.0	-0.2	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 21:10:00	42.7	105.0	80.0	-0.2	1.5	0	100

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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
01/10/2020 18:40:00	141	25.3	22.4	26.3	24.0	26.1	26.3
01/10/2020 18:50:00	142	25.2	22.8	26.4	24.0	26.2	26.4
01/10/2020 19:00:00	143	25.1	23.1	26.4	24.0	26.2	26.4
01/10/2020 19:10:00	142	25.0	23.4	26.5	24.1	26.2	26.5
01/10/2020 19:20:00	143	25.0	23.7	26.5	24.1	26.3	26.5
01/10/2020 19:30:00	143	24.9	23.9	26.6	24.1	26.3	26.6
01/10/2020 19:40:00	143	24.9	24.1	26.6	24.2	26.4	26.6
01/10/2020 19:50:00	144	24.9	24.3	26.7	24.2	26.4	26.6
01/10/2020 20:00:00	144	24.9	24.5	26.7	24.3	26.5	26.7
01/10/2020 20:10:00	144	24.8	24.7	26.8	24.3	26.5	26.7
01/10/2020 20:20:00	144	24.8	24.8	26.8	24.4	26.5	26.8
01/10/2020 20:30:00	144	24.8	25.0	26.8	24.5	26.6	26.8
01/10/2020 20:40:00	144	24.9	25.1	26.9	24.5	26.6	26.8
01/10/2020 20:50:00	144	24.9	25.3	26.9	24.6	26.7	26.9
01/10/2020 21:00:00	144	24.9	25.4	27.0	24.6	26.7	26.9
01/10/2020 21:10:00	144	24.9	25.5	27.0	24.7	26.7	26.9

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
01/10/2020 18:40:00	26.7	27.0	26.5	27.4	27.6
26.4	01/10/2020 18:50:00	26.7	27.0	26.5	27.4
27.7	26.5	01/10/2020 19:00:00	26.8	27.1	26.5
27.4	27.7	26.6	01/10/2020 19:10:00	26.9	27.1
26.6	27.5	27.7	26.7	01/10/2020 19:20:00	26.9
27.1	26.6	27.5	27.8	26.7	01/10/2020 19:30:00
27.0	27.1	26.7	27.6	27.8	26.8
01/10/2020 19:40:00	27.0	27.2	26.7	27.6	27.8
26.9	01/10/2020 19:50:00	27.1	27.1	26.8	27.7
27.9	26.9	01/10/2020 20:00:00	27.1	27.2	26.8

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
27.7	27.9	27.0	01/10/2020 20:10:00	27.2	27.2
26.8	27.7	27.9	27.0	01/10/2020 20:20:00	27.2
27.2	26.9	27.7	28.0	27.1	01/10/2020 20:30:00
27.2	27.2	26.9	27.8	28.0	27.1
01/10/2020 20:40:00	27.3	27.2	26.9	27.8	28.0
27.2	01/10/2020 20:50:00	27.3	27.3	27.0	27.8
28.0	27.2	01/10/2020 21:00:00	27.3	27.3	27.0
27.9	28.1	27.2	01/10/2020 21:10:00	27.4	27.3

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 21:20:00	42.5	105.0	80.0	-0.2	1.5	0	100
01/10/2020 21:30:00	42.4	105.0	80.0	-0.2	1.5	0	100
01/10/2020 21:40:00	42.2	105.0	80.0	-0.2	1.5	0	100
01/10/2020 21:50:00	42.1	105.0	80.0	-0.2	1.5	0	100
01/10/2020 22:00:00	41.9	105.0	80.0	-0.2	1.5	0	100
01/10/2020 22:10:00	41.8	105.0	80.0	-0.2	1.5	0	100
01/10/2020 22:20:00	41.6	105.0	80.0	-0.2	1.5	0	100
01/10/2020 22:30:00	41.5	105.0	80.0	-0.2	1.5	0	100
01/10/2020 22:40:00	41.4	105.0	80.0	-0.2	1.5	0	100
01/10/2020 22:50:00	41.2	105.0	80.0	-0.2	1.5	0	100
01/10/2020 23:00:00	41.1	105.0	80.0	-0.2	1.5	0	100
01/10/2020 23:10:00	41.0	105.0	80.0	-0.2	1.5	0	100
01/10/2020 23:20:00	40.8	105.0	80.0	-0.2	1.5	0	100
01/10/2020 23:30:00	40.7	105.0	80.0	-0.2	1.5	0	100
01/10/2020 23:40:00	40.6	105.0	80.0	-0.2	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
01/10/2020 23:50:00	40.4	105.0	80.0	-0.2	1.5	0	100

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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
01/10/2020 21:20:00	144	24.9	25.6	27.0	24.7	26.8	27.0
01/10/2020 21:30:00	144	24.9	25.7	27.1	24.7	26.8	27.0
01/10/2020 21:40:00	144	24.9	25.8	27.1	24.8	26.8	27.0
01/10/2020 21:50:00	144	25.0	25.9	27.1	24.9	26.9	27.1
01/10/2020 22:00:00	144	25.0	26.0	27.2	24.9	26.9	27.1
01/10/2020 22:10:00	144	25.0	26.1	27.2	24.9	26.9	27.1
01/10/2020 22:20:00	144	25.0	26.2	27.2	24.9	27.0	27.2
01/10/2020 22:30:00	144	25.0	26.2	27.3	24.9	27.0	27.2
01/10/2020 22:40:00	144	25.1	26.3	27.3	24.9	27.0	27.2
01/10/2020 22:50:00	144	25.1	26.4	27.3	24.9	27.1	27.2
01/10/2020 23:00:00	144	25.1	26.4	27.3	24.9	27.1	27.3
01/10/2020 23:10:00	144	25.1	26.5	27.3	24.9	27.1	27.3
01/10/2020 23:20:00	144	25.2	26.6	27.4	25.0	27.1	27.3
01/10/2020 23:30:00	145	25.2	26.6	27.4	25.1	27.2	27.3
01/10/2020 23:40:00	145	25.2	26.7	27.4	25.2	27.2	27.4
01/10/2020 23:50:00	145	25.2	26.7	27.4	25.2	27.2	27.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
01/10/2020 21:20:00	27.4	27.3	27.1	27.9	28.1
27.3	01/10/2020 21:30:00	27.4	27.4	27.1	28.0
28.2	27.3	01/10/2020 21:40:00	27.4	27.4	27.2
28.0	28.2	27.4	01/10/2020 21:50:00	27.4	27.4
27.2	28.0	28.2	27.4	01/10/2020 22:00:00	27.5
27.4	27.2	28.0	28.2	27.4	01/10/2020 22:10:00
27.5	27.5	27.3	28.0	28.3	27.5
01/10/2020 22:20:00	27.5	27.5	27.3	28.1	28.3
27.5	01/10/2020 22:30:00	27.5	27.5	27.3	28.1
28.3	27.5	01/10/2020 22:40:00	27.5	27.5	27.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
28.1	28.3	27.5	01/10/2020 22:50:00	27.6	27.5
27.4	28.1	28.3	27.6	01/10/2020 23:00:00	27.6
27.6	27.4	28.2	28.4	27.6	01/10/2020 23:10:00
27.6	27.6	27.4	28.2	28.4	27.6
01/10/2020 23:20:00	27.6	27.6	27.4	28.2	28.4
27.6	01/10/2020 23:30:00	27.6	27.6	27.5	28.2
28.4	27.7	01/10/2020 23:40:00	27.6	27.6	27.5
28.3	28.5	27.7	01/10/2020 23:50:00	27.7	27.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 00:00:00	40.3	105.0	80.0	-0.2	1.5	0	100
02/10/2020 00:10:00	40.2	105.0	80.0	-0.2	1.5	0	100
02/10/2020 00:20:00	40.1	105.0	80.0	-0.2	1.5	0	100
02/10/2020 00:30:00	40.0	105.0	80.0	-0.2	1.5	0	100
02/10/2020 00:40:00	39.9	105.0	80.0	-0.2	1.5	0	100
02/10/2020 00:50:00	39.8	105.0	80.0	-0.2	1.5	0	100
02/10/2020 01:00:00	39.7	105.0	80.0	-0.2	1.5	0	100
02/10/2020 01:10:00	39.5	105.0	80.0	-0.2	1.5	0	100
02/10/2020 01:20:00	39.4	105.0	80.0	-0.2	1.5	0	100
02/10/2020 01:30:00	39.3	105.0	80.0	-0.2	1.5	0	100
02/10/2020 01:40:00	39.2	105.0	80.0	-0.2	1.5	0	100
02/10/2020 01:50:00	39.1	105.0	80.0	-0.2	1.5	0	100
02/10/2020 02:00:00	39.0	105.0	80.0	-0.2	1.5	0	100
02/10/2020 02:10:00	38.9	105.0	80.0	-0.2	1.5	0	100
02/10/2020 02:20:00	38.8	105.0	80.0	-0.2	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 02:30:00	38.7	105.0	80.0	-0.2	1.5	0	100

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Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
02/10/2020 00:00:00	145	25.2	26.8	27.4	25.3	27.2	27.4
02/10/2020 00:10:00	145	25.3	26.8	27.5	25.3	27.2	27.4
02/10/2020 00:20:00	145	25.3	26.9	27.5	25.4	27.3	27.5
02/10/2020 00:30:00	145	25.3	26.9	27.5	25.4	27.3	27.5
02/10/2020 00:40:00	145	25.3	27.0	27.5	25.5	27.3	27.5
02/10/2020 00:50:00	145	25.4	27.0	27.6	25.5	27.3	27.5
02/10/2020 01:00:00	145	25.4	27.0	27.6	25.5	27.3	27.5
02/10/2020 01:10:00	145	25.4	27.1	27.6	25.5	27.3	27.5
02/10/2020 01:20:00	145	25.4	27.1	27.6	25.5	27.4	27.5
02/10/2020 01:30:00	145	25.4	27.1	27.6	25.5	27.4	27.6
02/10/2020 01:40:00	145	25.5	27.2	27.6	25.6	27.4	27.6
02/10/2020 01:50:00	145	25.5	27.2	27.6	25.6	27.4	27.6
02/10/2020 02:00:00	145	25.5	27.2	27.7	25.6	27.4	27.6
02/10/2020 02:10:00	145	25.5	27.3	27.7	25.6	27.4	27.6
02/10/2020 02:20:00	145	25.5	27.3	27.7	25.6	27.4	27.6
02/10/2020 02:30:00	145	25.5	27.3	27.7	25.6	27.4	27.6

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
02/10/2020 00:00:00	27.7	27.7	27.5	28.3	28.5
27.8	02/10/2020 00:10:00	27.7	27.7	27.5	28.3
28.5	27.8	02/10/2020 00:20:00	27.7	27.7	27.5
28.3	28.5	27.8	02/10/2020 00:30:00	27.7	27.8
27.5	28.4	28.5	27.8	02/10/2020 00:40:00	27.7
27.8	27.5	28.4	28.6	27.8	02/10/2020 00:50:00
27.8	27.8	27.6	28.4	28.6	27.9
02/10/2020 01:00:00	27.8	27.8	27.6	28.4	28.6
27.9	02/10/2020 01:10:00	27.8	27.8	27.6	28.4
28.6	27.9	02/10/2020 01:20:00	27.8	27.8	27.6

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
28.4	28.6	27.9	02/10/2020 01:30:00	27.8	27.8
27.6	28.4	28.6	27.9	02/10/2020 01:40:00	27.8
27.8	27.6	28.4	28.6	27.9	02/10/2020 01:50:00
27.8	27.8	27.6	28.4	28.6	27.9
02/10/2020 02:00:00	27.8	27.8	27.7	28.5	28.6
27.9	02/10/2020 02:10:00	27.8	27.8	27.7	28.5
28.6	28.0	02/10/2020 02:20:00	27.8	27.9	27.7
28.5	28.6	28.0	02/10/2020 02:30:00	27.9	27.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 02:40:00	38.6	105.0	80.0	-0.2	1.5	0	100
02/10/2020 02:50:00	38.6	105.0	80.0	-0.2	1.5	0	100
02/10/2020 03:00:00	38.5	105.0	80.0	-0.2	1.5	0	100
02/10/2020 03:10:00	38.4	105.0	80.0	-0.2	1.5	0	100
02/10/2020 03:20:00	38.3	105.0	80.0	-0.2	1.5	0	100
02/10/2020 03:30:00	38.2	105.0	80.0	-0.2	1.5	0	100
02/10/2020 03:40:00	38.1	105.0	80.0	-0.2	1.5	0	100
02/10/2020 03:50:00	38.0	105.0	80.0	-0.2	1.5	0	100
02/10/2020 04:00:00	37.9	105.0	80.0	-0.2	1.5	0	100
02/10/2020 04:10:00	37.8	105.0	80.0	-0.2	1.5	0	100
02/10/2020 04:20:00	37.7	105.0	80.0	-0.2	1.5	0	100
02/10/2020 04:30:00	37.7	105.0	80.0	-0.1	1.5	0	100
02/10/2020 04:40:00	37.6	105.0	80.0	-0.1	1.5	0	100
02/10/2020 04:50:00	37.5	105.0	80.0	-0.1	1.5	0	100
02/10/2020 05:00:00	37.4	105.0	80.0	-0.1	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 05:10:00	37.4	105.0	80.0	-0.1	1.5	0	100

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Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
02/10/2020 02:40:00	145	25.6	27.4	27.7	25.6	27.5	27.6
02/10/2020 02:50:00	145	25.6	27.4	27.7	25.6	27.5	27.6
02/10/2020 03:00:00	145	25.6	27.4	27.7	25.7	27.5	27.6
02/10/2020 03:10:00	144	25.6	27.4	27.8	25.7	27.5	27.6
02/10/2020 03:20:00	143	25.6	27.5	27.8	25.7	27.5	27.6
02/10/2020 03:30:00	145	25.6	27.5	27.8	25.7	27.5	27.6
02/10/2020 03:40:00	145	25.6	27.5	27.8	25.7	27.5	27.6
02/10/2020 03:50:00	145	25.7	27.5	27.8	25.7	27.5	27.6
02/10/2020 04:00:00	145	25.7	27.5	27.8	25.7	27.5	27.7
02/10/2020 04:10:00	145	25.7	27.6	27.8	25.7	27.5	27.7
02/10/2020 04:20:00	144	25.7	27.6	27.8	25.7	27.5	27.7
02/10/2020 04:30:00	144	25.7	27.6	27.8	25.8	27.6	27.7
02/10/2020 04:40:00	144	25.7	27.6	27.8	25.8	27.6	27.7
02/10/2020 04:50:00	144	25.7	27.6	27.8	25.8	27.6	27.7
02/10/2020 05:00:00	144	25.7	27.6	27.8	25.8	27.6	27.7
02/10/2020 05:10:00	144	25.7	27.7	27.8	25.8	27.6	27.6

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
02/10/2020 02:40:00	27.9	27.9	27.7	28.5	28.7
28.0	02/10/2020 02:50:00	27.9	27.9	27.7	28.5
28.7	28.0	02/10/2020 03:00:00	27.9	27.9	27.7
28.5	28.7	28.0	02/10/2020 03:10:00	27.9	27.9
27.7	28.5	28.7	28.0	02/10/2020 03:20:00	27.9
27.9	27.7	28.5	28.7	28.0	02/10/2020 03:30:00
27.9	27.9	27.8	28.5	28.7	28.0
02/10/2020 03:40:00	27.9	28.0	27.7	28.5	28.7
28.0	02/10/2020 03:50:00	27.9	27.9	27.8	28.5
28.7	28.1	02/10/2020 04:00:00	27.9	28.0	27.8

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
28.5	28.7	28.1	02/10/2020 04:10:00	27.9	28.0
27.8	28.5	28.7	28.1	02/10/2020 04:20:00	27.9
28.0	27.8	28.5	28.7	28.1	02/10/2020 04:30:00
27.9	28.0	27.8	28.5	28.7	28.1
02/10/2020 04:40:00	28.0	28.0	27.8	28.5	28.7
28.1	02/10/2020 04:50:00	28.0	28.0	27.8	28.5
28.7	28.1	02/10/2020 05:00:00	28.0	28.0	27.8
28.5	28.7	28.1	02/10/2020 05:10:00	28.0	28.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 05:20:00	37.3	105.0	80.0	-0.1	1.5	0	100
02/10/2020 05:30:00	37.2	105.0	80.0	-0.1	1.5	0	100
02/10/2020 05:40:00	37.1	105.0	80.0	-0.1	1.5	0	100
02/10/2020 05:50:00	37.0	105.0	80.0	-0.1	1.5	0	100
02/10/2020 06:00:00	37.0	105.0	80.0	-0.1	1.5	0	100
02/10/2020 06:10:00	36.9	105.0	80.0	-0.1	1.5	0	100
02/10/2020 06:20:00	36.8	105.0	80.0	-0.1	1.5	0	100
02/10/2020 06:30:00	36.8	105.0	80.0	-0.1	1.5	0	100
02/10/2020 06:40:00	36.7	105.0	80.0	-0.1	1.5	0	100
02/10/2020 06:50:00	36.6	105.0	80.0	-0.1	1.5	0	100
02/10/2020 07:00:00	36.5	105.0	80.0	-0.1	1.5	0	100
02/10/2020 07:10:00	36.5	105.0	80.0	-0.1	1.5	0	100
02/10/2020 07:20:00	36.4	105.0	80.0	-0.1	1.5	0	100
02/10/2020 07:30:00	36.3	105.0	80.0	-0.1	1.5	0	100
02/10/2020 07:40:00	36.3	105.0	80.0	-0.1	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 07:50:00	36.2	105.0	80.0	-0.1	1.5	0	100

DEMO APPLIC

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:45		Page 373 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
02/10/2020 05:20:00	144	25.8	27.7	27.8	25.8	27.6	27.7
02/10/2020 05:30:00	144	25.8	27.7	27.8	25.8	27.6	27.7
02/10/2020 05:40:00	144	25.8	27.7	27.8	25.8	27.6	27.7
02/10/2020 05:50:00	145	25.8	27.7	27.8	25.8	27.6	27.7
02/10/2020 06:00:00	145	25.8	27.7	27.9	25.8	27.6	27.7
02/10/2020 06:10:00	145	25.8	27.7	27.9	25.8	27.6	27.7
02/10/2020 06:20:00	145	25.8	27.7	27.8	25.8	27.6	27.7
02/10/2020 06:30:00	145	25.8	27.7	27.9	25.8	27.6	27.6
02/10/2020 06:40:00	145	25.8	27.7	27.8	25.8	27.6	27.7
02/10/2020 06:50:00	145	25.8	27.7	27.9	25.8	27.6	27.7
02/10/2020 07:00:00	145	25.8	27.7	27.9	25.8	27.6	27.7
02/10/2020 07:10:00	145	25.8	27.8	27.9	25.8	27.6	27.7
02/10/2020 07:20:00	145	25.8	27.8	27.8	25.8	27.6	27.6
02/10/2020 07:30:00	145	25.8	27.8	27.8	25.8	27.6	27.6
02/10/2020 07:40:00	145	25.8	27.8	27.8	25.7	27.6	27.6
02/10/2020 07:50:00	145	25.7	27.8	27.7	25.7	27.5	27.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
02/10/2020 05:20:00	28.0	28.0	27.8	28.5	28.7
28.1	02/10/2020 05:30:00	28.0	28.0	27.8	28.5
28.7	28.1	02/10/2020 05:40:00	28.0	28.0	27.8
28.5	28.7	28.1	02/10/2020 05:50:00	28.0	28.0
27.8	28.5	28.7	28.1	02/10/2020 06:00:00	28.0
28.0	27.8	28.5	28.7	28.1	02/10/2020 06:10:00
28.0	28.0	27.8	28.5	28.7	28.1
02/10/2020 06:20:00	28.0	28.0	27.8	28.5	28.7
28.1	02/10/2020 06:30:00	28.0	28.0	27.8	28.5
28.7	28.1	02/10/2020 06:40:00	28.0	28.0	27.8

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Print Date & Time: -12/10/2020 21:40:45		Page 375 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
28.5	28.7	28.1	02/10/2020 06:50:00	28.0	28.1
27.8	28.5	28.7	28.1	02/10/2020 07:00:00	28.0
28.0	27.8	28.5	28.7	28.1	02/10/2020 07:10:00
28.0	28.0	27.8	28.5	28.7	28.1
02/10/2020 07:20:00	28.0	28.0	27.8	28.5	28.7
28.1	02/10/2020 07:30:00	28.0	27.9	27.8	28.5
28.7	28.0	02/10/2020 07:40:00	28.0	27.9	27.7
28.5	28.6	28.0	02/10/2020 07:50:00	27.9	27.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 08:00:00	36.1	105.0	80.0	-0.1	1.5	0	100
02/10/2020 08:10:00	36.0	105.0	80.0	-0.1	1.5	0	100
02/10/2020 08:20:00	36.0	105.0	80.0	-0.1	1.5	0	100
02/10/2020 08:30:00	35.9	105.0	80.0	-0.1	1.5	0	100
02/10/2020 08:40:00	35.8	105.0	80.0	-0.1	1.5	0	100
02/10/2020 08:50:00	35.8	105.0	80.0	-0.1	1.5	0	100
02/10/2020 09:00:00	35.7	105.0	80.0	-0.1	1.5	0	100
02/10/2020 09:10:00	35.6	105.0	80.0	-0.1	1.5	0	100
02/10/2020 09:20:00	35.6	105.0	80.0	-0.1	1.5	0	100
02/10/2020 09:30:00	35.5	105.0	80.0	-0.1	1.5	0	100
02/10/2020 09:40:00	35.5	105.0	80.0	-0.1	1.5	0	100
02/10/2020 09:50:00	35.4	105.0	80.0	-0.1	1.5	0	100
02/10/2020 10:00:00	35.3	105.0	80.0	-0.1	1.5	0	100
02/10/2020 10:10:00	35.3	105.0	80.0	-0.1	1.5	0	100
02/10/2020 10:20:00	35.2	105.0	80.0	-0.1	1.5	0	100

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:45		Page 377 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 10:30:00	35.1	105.0	80.0	-0.1	1.5	0	100

DEMO APPLIC

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:45		Page 378 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
02/10/2020 08:00:00	145	25.7	27.7	27.7	25.7	27.5	27.5
02/10/2020 08:10:00	145	25.7	27.7	27.6	25.7	27.5	27.4
02/10/2020 08:20:00	145	25.6	27.7	27.6	25.7	27.4	27.4
02/10/2020 08:30:00	145	25.6	27.7	27.6	25.6	27.4	27.4
02/10/2020 08:40:00	145	25.6	27.7	27.5	25.6	27.3	27.3
02/10/2020 08:50:00	145	25.6	27.6	27.5	25.6	27.3	27.3
02/10/2020 09:00:00	144	25.6	27.6	27.4	25.6	27.3	27.2
02/10/2020 09:10:00	144	25.5	27.6	27.4	25.6	27.2	27.2
02/10/2020 09:20:00	144	25.5	27.5	27.4	25.6	27.2	27.2
02/10/2020 09:30:00	144	25.5	27.5	27.3	25.6	27.2	27.2
02/10/2020 09:40:00	145	25.5	27.5	27.3	25.6	27.2	27.1
02/10/2020 09:50:00	145	25.5	27.4	27.3	25.6	27.2	27.1
02/10/2020 10:00:00	145	25.5	27.4	27.3	25.6	27.1	27.1
02/10/2020 10:10:00	145	25.5	27.4	27.3	25.6	27.1	27.1
02/10/2020 10:20:00	145	25.5	27.4	27.2	25.6	27.1	27.1
02/10/2020 10:30:00	145	25.5	27.4	27.3	25.6	27.1	27.1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
02/10/2020 08:00:00	27.9	27.8	27.7	28.4	28.5
27.9	02/10/2020 08:10:00	27.9	27.8	27.6	28.3
28.4	27.9	02/10/2020 08:20:00	27.9	27.8	27.6
28.2	28.4	27.8	02/10/2020 08:30:00	27.8	27.8
27.6	28.1	28.3	27.8	02/10/2020 08:40:00	27.8
27.7	27.5	28.1	28.3	27.7	02/10/2020 08:50:00
27.8	27.7	27.5	28.0	28.2	27.7
02/10/2020 09:00:00	27.7	27.7	27.5	28.0	28.2
27.6	02/10/2020 09:10:00	27.7	27.7	27.5	27.9
28.1	27.6	02/10/2020 09:20:00	27.7	27.7	27.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
27.9	28.1	27.6	02/10/2020 09:30:00	27.6	27.6
27.4	27.8	28.0	27.5	02/10/2020 09:40:00	27.6
27.6	27.4	27.8	28.0	27.5	02/10/2020 09:50:00
27.6	27.6	27.3	27.7	27.9	27.5
02/10/2020 10:00:00	27.6	27.6	27.3	27.7	27.9
27.5	02/10/2020 10:10:00	27.5	27.5	27.3	27.7
27.9	27.5	02/10/2020 10:20:00	27.5	27.5	27.3
27.7	27.9	27.5	02/10/2020 10:30:00	27.5	27.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 10:40:00	35.1	105.0	80.0	-0.1	1.5	0	100
02/10/2020 10:50:00	35.0	105.0	80.0	-0.1	1.5	0	100
02/10/2020 11:00:00	35.0	105.0	80.0	-0.1	1.5	0	100
02/10/2020 11:10:00	34.9	105.0	80.0	-0.1	1.5	0	100
02/10/2020 11:20:00	34.8	105.0	80.0	-0.1	1.5	0	100
02/10/2020 11:30:00	34.8	105.0	80.0	-0.1	1.5	0	100
02/10/2020 11:40:00	34.7	105.0	80.0	-0.1	1.5	0	100
02/10/2020 11:50:00	34.7	105.0	80.0	-0.1	1.5	0	100
02/10/2020 12:00:00	34.6	105.0	80.0	-0.1	1.5	0	100
02/10/2020 12:10:00	34.6	105.0	80.0	-0.1	1.5	0	100
02/10/2020 12:20:00	34.5	105.0	80.0	-0.1	1.5	0	100
02/10/2020 12:30:00	34.5	105.0	80.0	-0.1	1.5	0	100
02/10/2020 12:40:00	34.4	105.0	80.0	-0.1	1.5	0	100
02/10/2020 12:50:00	34.3	105.0	80.0	-0.1	1.5	0	100
02/10/2020 13:00:00	34.3	105.0	80.0	-0.1	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 13:10:00	34.2	105.0	80.0	-0.1	1.5	0	100

DEMO APPLIC

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:45		Page 383 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
02/10/2020 10:40:00	145	25.5	27.3	27.2	25.6	27.1	27.1
02/10/2020 10:50:00	145	25.5	27.3	27.2	25.6	27.1	27.1
02/10/2020 11:00:00	145	25.5	27.3	27.3	25.6	27.1	27.1
02/10/2020 11:10:00	145	25.5	27.3	27.2	25.6	27.1	27.1
02/10/2020 11:20:00	145	25.5	27.3	27.2	25.6	27.1	27.1
02/10/2020 11:30:00	145	25.5	27.3	27.2	25.6	27.1	27.1
02/10/2020 11:40:00	145	25.5	27.2	27.2	25.6	27.1	27.1
02/10/2020 11:50:00	145	25.5	27.2	27.2	25.6	27.1	27.1
02/10/2020 12:00:00	145	25.5	27.2	27.3	25.6	27.1	27.1
02/10/2020 12:10:00	145	25.5	27.2	27.2	25.6	27.1	27.1
02/10/2020 12:20:00	145	25.5	27.2	27.3	25.7	27.1	27.1
02/10/2020 12:30:00	145	25.5	27.2	27.3	25.7	27.1	27.1
02/10/2020 12:40:00	145	25.5	27.2	27.3	25.7	27.1	27.1
02/10/2020 12:50:00	145	25.5	27.2	27.3	25.7	27.1	27.1
02/10/2020 13:00:00	145	25.5	27.2	27.3	25.7	27.1	27.1
02/10/2020 13:10:00	145	25.5	27.2	27.3	25.7	27.1	27.1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
02/10/2020 10:40:00	27.5	27.5	27.3	27.7	27.8
27.4	02/10/2020 10:50:00	27.5	27.5	27.3	27.6
27.8	27.4	02/10/2020 11:00:00	27.5	27.5	27.3
27.6	27.8	27.4	02/10/2020 11:10:00	27.5	27.5
27.3	27.6	27.8	27.4	02/10/2020 11:20:00	27.5
27.5	27.3	27.6	27.8	27.4	02/10/2020 11:30:00
27.5	27.5	27.3	27.6	27.8	27.4
02/10/2020 11:40:00	27.4	27.5	27.3	27.6	27.8
27.4	02/10/2020 11:50:00	27.5	27.5	27.3	27.6
27.8	27.4	02/10/2020 12:00:00	27.5	27.5	27.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
27.6	27.8	27.5	02/10/2020 12:10:00	27.5	27.5
27.3	27.6	27.8	27.5	02/10/2020 12:20:00	27.5
27.5	27.3	27.7	27.8	27.5	02/10/2020 12:30:00
27.5	27.5	27.3	27.7	27.8	27.5
02/10/2020 12:40:00	27.5	27.5	27.3	27.7	27.9
27.5	02/10/2020 12:50:00	27.5	27.5	27.3	27.7
27.9	27.5	02/10/2020 13:00:00	27.5	27.5	27.3
27.7	27.9	27.5	02/10/2020 13:10:00	27.5	27.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 13:20:00	34.2	105.0	80.0	-0.1	1.5	0	100
02/10/2020 13:30:00	34.1	105.0	80.0	-0.1	1.5	0	100
02/10/2020 13:40:00	34.1	105.0	80.0	-0.1	1.5	0	100
02/10/2020 13:50:00	34.1	105.0	80.0	-0.1	1.5	0	100
02/10/2020 14:00:00	34.0	105.0	80.0	-0.1	1.5	0	100
02/10/2020 14:10:00	34.0	105.0	80.0	-0.1	1.5	0	100
02/10/2020 14:20:00	33.9	105.0	80.0	-0.1	1.5	0	100
02/10/2020 14:30:00	33.8	105.0	80.0	-0.1	1.5	0	100
02/10/2020 14:40:00	33.8	105.0	80.0	-0.1	1.5	0	100
02/10/2020 14:50:00	33.8	105.0	80.0	-0.1	1.5	0	100
02/10/2020 15:00:00	33.7	105.0	80.0	-0.1	1.5	0	100
02/10/2020 15:10:00	33.7	105.0	80.0	-0.1	1.5	0	100
02/10/2020 15:20:00	33.6	105.0	80.0	-0.1	1.5	0	100
02/10/2020 15:30:00	33.6	105.0	80.0	-0.1	1.5	0	100
02/10/2020 15:40:00	33.5	105.0	80.0	-0.1	1.5	0	100

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:45		Page 387 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 15:50:00	33.5	105.0	80.0	-0.1	1.5	0	100

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Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:45		Page 388 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
02/10/2020 13:20:00	145	25.5	27.2	27.3	25.7	27.1	27.1
02/10/2020 13:30:00	145	25.5	27.2	27.3	25.7	27.1	27.1
02/10/2020 13:40:00	145	25.5	27.2	27.3	25.7	27.2	27.1
02/10/2020 13:50:00	145	25.6	27.2	27.3	25.7	27.2	27.1
02/10/2020 14:00:00	145	25.6	27.2	27.3	25.7	27.2	27.1
02/10/2020 14:10:00	145	25.6	27.2	27.3	25.8	27.2	27.2
02/10/2020 14:20:00	145	25.6	27.2	27.3	25.8	27.2	27.2
02/10/2020 14:30:00	145	25.6	27.2	27.4	25.8	27.2	27.2
02/10/2020 14:40:00	145	25.6	27.2	27.4	25.8	27.2	27.2
02/10/2020 14:50:00	145	25.6	27.2	27.4	25.8	27.2	27.2
02/10/2020 15:00:00	145	25.6	27.2	27.4	25.8	27.2	27.2
02/10/2020 15:10:00	145	25.6	27.2	27.4	25.8	27.2	27.2
02/10/2020 15:20:00	145	25.6	27.3	27.4	25.8	27.2	27.2
02/10/2020 15:30:00	145	25.6	27.3	27.4	25.8	27.2	27.2
02/10/2020 15:40:00	145	25.6	27.3	27.4	25.8	27.2	27.2
02/10/2020 15:50:00	145	25.7	27.3	27.4	25.9	27.3	27.2

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
02/10/2020 13:20:00	27.5	27.5	27.3	27.7	27.9
27.5	02/10/2020 13:30:00	27.5	27.5	27.3	27.7
27.9	27.5	02/10/2020 13:40:00	27.5	27.5	27.3
27.7	27.9	27.6	02/10/2020 13:50:00	27.5	27.5
27.3	27.7	27.9	27.6	02/10/2020 14:00:00	27.5
27.5	27.4	27.7	27.9	27.6	02/10/2020 14:10:00
27.5	27.5	27.4	27.8	28.0	27.6
02/10/2020 14:20:00	27.5	27.5	27.4	27.8	28.0
27.6	02/10/2020 14:30:00	27.5	27.5	27.4	27.8
28.0	27.6	02/10/2020 14:40:00	27.5	27.6	27.4

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:45		Page 390 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
27.8	28.0	27.6	02/10/2020 14:50:00	27.5	27.6
27.4	27.8	28.0	27.6	02/10/2020 15:00:00	27.5
27.6	27.4	27.8	28.0	27.6	02/10/2020 15:10:00
27.5	27.6	27.4	27.8	28.0	27.6
02/10/2020 15:20:00	27.5	27.6	27.4	27.8	28.0
27.7	02/10/2020 15:30:00	27.5	27.6	27.4	27.8
28.0	27.7	02/10/2020 15:40:00	27.6	27.6	27.4
27.9	28.0	27.7	02/10/2020 15:50:00	27.6	27.6

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 16:00:00	33.5	105.0	80.0	-0.1	1.5	0	100
02/10/2020 16:10:00	33.4	105.0	80.0	-0.1	1.5	0	100
02/10/2020 16:20:00	33.4	105.0	80.0	-0.1	1.5	0	100
02/10/2020 16:30:00	33.3	105.0	80.0	-0.1	1.5	0	100
02/10/2020 16:40:00	33.3	105.0	80.0	-0.1	1.5	0	100
02/10/2020 16:50:00	33.2	105.0	80.0	-0.1	1.5	0	100
02/10/2020 17:00:00	33.2	105.0	80.0	-0.1	1.5	0	100
02/10/2020 17:10:00	33.2	105.0	80.0	-0.1	1.5	0	100
02/10/2020 17:20:00	33.1	105.0	80.0	-0.1	1.5	0	100
02/10/2020 17:30:00	33.1	105.0	80.0	-0.1	1.5	0	100
02/10/2020 17:40:00	33.0	105.0	80.0	-0.1	1.5	0	100
02/10/2020 17:50:00	33.0	105.0	80.0	-0.1	1.5	0	100
02/10/2020 18:00:00	33.0	105.0	80.0	-0.1	1.5	0	100
02/10/2020 18:10:00	32.9	105.0	80.0	-0.1	1.5	0	100
02/10/2020 18:20:00	32.9	105.0	80.0	-0.1	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 18:30:00	32.9	105.0	80.0	-0.1	1.5	0	100

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Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
02/10/2020 16:00:00	145	25.7	27.3	27.4	25.9	27.3	27.2
02/10/2020 16:10:00	145	25.7	27.3	27.4	25.9	27.3	27.3
02/10/2020 16:20:00	145	25.7	27.3	27.4	25.9	27.3	27.3
02/10/2020 16:30:00	145	25.7	27.3	27.5	25.9	27.3	27.3
02/10/2020 16:40:00	145	25.7	27.3	27.5	25.9	27.3	27.3
02/10/2020 16:50:00	145	25.7	27.3	27.5	25.9	27.3	27.3
02/10/2020 17:00:00	145	25.7	27.3	27.5	25.9	27.3	27.3
02/10/2020 17:10:00	145	25.7	27.3	27.5	25.9	27.3	27.3
02/10/2020 17:20:00	145	25.8	27.3	27.5	26.0	27.3	27.3
02/10/2020 17:30:00	145	25.8	27.4	27.5	26.0	27.3	27.3
02/10/2020 17:40:00	145	26.1	27.4	27.5	26.0	27.3	27.3
02/10/2020 17:50:00	145	26.1	27.4	27.5	26.0	27.4	27.3
02/10/2020 18:00:00	145	26.1	27.4	27.5	26.0	27.4	27.3
02/10/2020 18:10:00	145	26.1	27.4	27.5	26.0	27.4	27.4
02/10/2020 18:20:00	145	26.1	27.4	27.5	26.0	27.4	27.4
02/10/2020 18:30:00	145	26.2	27.4	27.5	26.0	27.4	27.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
02/10/2020 16:00:00	27.6	27.6	27.5	27.9	28.1
27.7	02/10/2020 16:10:00	27.6	27.6	27.5	27.9
28.1	27.7	02/10/2020 16:20:00	27.6	27.6	27.5
27.9	28.1	27.7	02/10/2020 16:30:00	27.6	27.6
27.5	27.9	28.1	27.7	02/10/2020 16:40:00	27.6
27.6	27.5	27.9	28.1	27.7	02/10/2020 16:50:00
27.6	27.6	27.5	27.9	28.1	27.7
02/10/2020 17:00:00	27.6	27.6	27.5	27.9	28.1
27.7	02/10/2020 17:10:00	27.6	27.7	27.5	27.9
28.1	27.8	02/10/2020 17:20:00	27.6	27.7	27.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
27.9	28.1	27.8	02/10/2020 17:30:00	27.6	27.7
27.5	28.0	28.2	27.8	02/10/2020 17:40:00	27.6
27.7	27.5	28.0	28.2	27.8	02/10/2020 17:50:00
27.6	27.7	27.5	28.0	28.2	27.8
02/10/2020 18:00:00	27.6	27.7	27.5	28.0	28.2
27.8	02/10/2020 18:10:00	27.6	27.7	27.5	28.0
28.2	27.8	02/10/2020 18:20:00	27.7	27.7	27.5
28.0	28.2	27.8	02/10/2020 18:30:00	27.7	27.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 18:40:00	32.8	105.0	80.0	-0.1	1.5	0	100
02/10/2020 18:50:00	32.8	105.0	80.0	-0.1	1.5	0	100
02/10/2020 19:00:00	32.7	105.0	80.0	-0.1	1.5	0	100
02/10/2020 19:10:00	32.7	105.0	80.0	-0.1	1.5	0	100
02/10/2020 19:20:00	32.7	105.0	80.0	-0.1	1.5	0	100
02/10/2020 19:30:00	32.6	105.0	80.0	-0.1	1.5	0	100
02/10/2020 19:40:00	32.6	105.0	80.0	-0.1	1.5	0	100
02/10/2020 19:50:00	32.5	105.0	80.0	-0.1	1.5	0	100
02/10/2020 20:00:00	32.5	105.0	80.0	-0.1	1.5	0	100
02/10/2020 20:10:00	32.5	105.0	80.0	-0.1	1.5	0	100
02/10/2020 20:20:00	32.4	105.0	80.0	-0.1	1.5	0	100
02/10/2020 20:30:00	32.4	105.0	80.0	-0.1	1.5	0	100
02/10/2020 20:40:00	32.4	105.0	80.0	-0.1	1.5	0	100
02/10/2020 20:50:00	32.4	105.0	80.0	-0.1	1.5	0	100
02/10/2020 21:00:00	32.3	105.0	80.0	-0.1	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 21:10:00	32.3	105.0	80.0	-0.1	1.5	0	100

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Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:45		Page 398 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
02/10/2020 18:40:00	145	26.2	27.4	27.6	26.0	27.4	27.4
02/10/2020 18:50:00	145	26.2	27.4	27.6	26.0	27.4	27.4
02/10/2020 19:00:00	145	26.2	27.4	27.6	26.0	27.4	27.4
02/10/2020 19:10:00	145	26.2	27.4	27.6	26.0	27.4	27.4
02/10/2020 19:20:00	145	26.2	27.4	27.6	26.1	27.4	27.4
02/10/2020 19:30:00	145	26.2	27.5	27.6	26.1	27.4	27.4
02/10/2020 19:40:00	145	26.2	27.5	27.6	26.1	27.4	27.4
02/10/2020 19:50:00	145	26.2	27.5	27.6	26.1	27.4	27.4
02/10/2020 20:00:00	145	26.2	27.5	27.6	26.1	27.4	27.4
02/10/2020 20:10:00	145	26.2	27.5	27.6	26.1	27.4	27.4
02/10/2020 20:20:00	145	26.2	27.5	27.6	26.1	27.4	27.4
02/10/2020 20:30:00	145	26.2	27.5	27.6	26.1	27.5	27.4
02/10/2020 20:40:00	145	26.2	27.5	27.6	26.1	27.5	27.4
02/10/2020 20:50:00	145	26.3	27.5	27.6	26.1	27.5	27.4
02/10/2020 21:00:00	145	26.3	27.5	27.6	26.1	27.5	27.4
02/10/2020 21:10:00	145	26.3	27.5	27.6	26.1	27.5	27.4

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
02/10/2020 18:40:00	27.7	27.7	27.5	28.0	28.2
27.8	02/10/2020 18:50:00	27.7	27.7	27.5	28.0
28.2	27.8	02/10/2020 19:00:00	27.7	27.7	27.5
28.0	28.2	27.8	02/10/2020 19:10:00	27.7	27.7
27.5	28.0	28.2	27.8	02/10/2020 19:20:00	27.7
27.7	27.6	28.0	28.2	27.8	02/10/2020 19:30:00
27.7	27.7	27.6	28.0	28.2	27.9
02/10/2020 19:40:00	27.7	27.7	27.6	28.0	28.2
27.9	02/10/2020 19:50:00	27.7	27.7	27.6	28.0
28.2	27.9	02/10/2020 20:00:00	27.7	27.7	27.6

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
28.0	28.2	27.9	02/10/2020 20:10:00	27.7	27.7
27.6	28.0	28.2	27.9	02/10/2020 20:20:00	27.7
27.7	27.6	28.0	28.2	27.9	02/10/2020 20:30:00
27.7	27.7	27.6	28.0	28.2	27.9
02/10/2020 20:40:00	27.7	27.7	27.6	28.0	28.3
27.9	02/10/2020 20:50:00	27.7	27.7	27.6	28.0
28.3	27.9	02/10/2020 21:00:00	27.7	27.7	27.6
28.0	28.3	27.9	02/10/2020 21:10:00	27.7	27.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 21:20:00	32.3	105.0	80.0	-0.1	1.5	0	100
02/10/2020 21:30:00	32.2	105.0	80.0	-0.1	1.5	0	100
02/10/2020 21:40:00	32.2	105.0	80.0	-0.1	1.5	0	100
02/10/2020 21:50:00	32.2	105.0	80.0	-0.1	1.5	0	100
02/10/2020 22:00:00	32.1	105.0	80.0	-0.1	1.5	0	100
02/10/2020 22:10:00	32.1	105.0	80.0	-0.1	1.5	0	100
02/10/2020 22:20:00	32.1	105.0	80.0	-0.1	1.5	0	100
02/10/2020 22:30:00	32.0	105.0	80.0	-0.1	1.5	0	100
02/10/2020 22:40:00	32.0	105.0	80.0	-0.1	1.5	0	100
02/10/2020 22:50:00	32.0	105.0	80.0	-0.1	1.5	0	100
02/10/2020 23:00:00	32.0	105.0	80.0	-0.1	1.5	0	100
02/10/2020 23:10:00	31.9	105.0	80.0	-0.1	1.5	0	100
02/10/2020 23:20:00	31.9	105.0	80.0	-0.1	1.5	0	100
02/10/2020 23:30:00	31.9	105.0	80.0	-0.1	1.5	0	100
02/10/2020 23:40:00	31.8	105.0	80.0	-0.1	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
02/10/2020 23:50:00	31.8	105.0	80.0	-0.1	1.5	0	100

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Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:45		Page 403 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
02/10/2020 21:20:00	145	26.3	27.5	27.6	26.1	27.5	27.4
02/10/2020 21:30:00	145	26.3	27.5	27.6	26.1	27.5	27.4
02/10/2020 21:40:00	145	26.3	27.5	27.6	26.1	27.5	27.4
02/10/2020 21:50:00	145	26.3	27.5	27.6	26.1	27.5	27.4
02/10/2020 22:00:00	145	26.3	27.5	27.6	26.1	27.5	27.4
02/10/2020 22:10:00	145	26.3	27.5	27.6	26.1	27.5	27.4
02/10/2020 22:20:00	145	26.3	27.5	27.6	26.2	27.5	27.4
02/10/2020 22:30:00	145	26.3	27.5	27.6	26.2	27.5	27.4
02/10/2020 22:40:00	145	26.3	27.6	27.6	26.2	27.5	27.4
02/10/2020 22:50:00	145	26.3	27.6	27.6	26.2	27.5	27.4
02/10/2020 23:00:00	145	26.3	27.5	27.6	26.2	27.5	27.4
02/10/2020 23:10:00	145	26.3	27.5	27.6	26.2	27.5	27.4
02/10/2020 23:20:00	145	26.3	27.5	27.6	26.2	27.5	27.4
02/10/2020 23:30:00	145	26.3	27.5	27.6	26.2	27.5	27.4
02/10/2020 23:40:00	145	26.3	27.5	27.6	26.2	27.5	27.4
02/10/2020 23:50:00	145	26.3	27.6	27.6	26.2	27.5	27.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
02/10/2020 21:20:00	27.7	27.7	27.6	28.1	28.3
27.9	02/10/2020 21:30:00	27.7	27.7	27.6	28.0
28.3	27.9	02/10/2020 21:40:00	27.7	27.7	27.6
28.1	28.3	27.9	02/10/2020 21:50:00	27.7	27.7
27.6	28.1	28.3	27.9	02/10/2020 22:00:00	27.7
27.7	27.6	28.0	28.3	27.9	02/10/2020 22:10:00
27.7	27.7	27.6	28.1	28.3	27.9
02/10/2020 22:20:00	27.7	27.7	27.6	28.1	28.3
27.9	02/10/2020 22:30:00	27.7	27.7	27.6	28.0
28.3	27.9	02/10/2020 22:40:00	27.7	27.7	27.6

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
28.0	28.2	27.9	02/10/2020 22:50:00	27.7	27.7
27.6	28.0	28.2	27.9	02/10/2020 23:00:00	27.7
27.7	27.6	28.0	28.2	27.9	02/10/2020 23:10:00
27.7	27.7	27.6	28.0	28.2	27.9
02/10/2020 23:20:00	27.7	27.7	27.6	28.0	28.2
27.9	02/10/2020 23:30:00	27.7	27.7	27.6	28.0
28.2	27.9	02/10/2020 23:40:00	27.7	27.7	27.6
28.0	28.2	27.9	02/10/2020 23:50:00	27.7	27.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 00:00:00	31.8	105.0	80.0	-0.1	1.5	0	100
03/10/2020 00:10:00	31.7	105.0	80.0	-0.1	1.5	0	100
03/10/2020 00:20:00	31.7	105.0	80.0	-0.1	1.5	0	100
03/10/2020 00:30:00	31.7	105.0	80.0	-0.1	1.5	0	100
03/10/2020 00:40:00	31.7	105.0	80.0	-0.1	1.5	0	100
03/10/2020 00:50:00	31.6	105.0	80.0	-0.1	1.5	0	100
03/10/2020 01:00:00	31.6	105.0	80.0	-0.1	1.5	0	100
03/10/2020 01:10:00	31.6	105.0	80.0	-0.1	1.5	0	100
03/10/2020 01:20:00	31.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 01:30:00	31.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 01:40:00	31.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 01:50:00	31.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 02:00:00	31.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 02:10:00	31.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 02:20:00	31.4	105.0	80.0	-0.1	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 02:30:00	31.4	105.0	80.0	-0.1	1.5	0	100

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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
03/10/2020 00:00:00	145	26.3	27.5	27.6	26.2	27.5	27.4
03/10/2020 00:10:00	145	26.3	27.5	27.6	26.2	27.5	27.4
03/10/2020 00:20:00	145	26.4	27.5	27.6	26.2	27.4	27.4
03/10/2020 00:30:00	145	26.3	27.5	27.6	26.2	27.5	27.4
03/10/2020 00:40:00	145	26.3	27.5	27.6	26.2	27.4	27.4
03/10/2020 00:50:00	145	26.4	27.5	27.6	26.2	27.5	27.4
03/10/2020 01:00:00	145	26.4	27.5	27.6	26.2	27.4	27.4
03/10/2020 01:10:00	145	26.3	27.5	27.6	26.2	27.4	27.4
03/10/2020 01:20:00	145	26.4	27.5	27.6	26.2	27.4	27.4
03/10/2020 01:30:00	145	26.3	27.5	27.6	26.2	27.4	27.4
03/10/2020 01:40:00	145	26.4	27.5	27.6	26.2	27.4	27.4
03/10/2020 01:50:00	145	26.4	27.5	27.6	26.2	27.4	27.4
03/10/2020 02:00:00	145	26.3	27.5	27.6	26.2	27.4	27.4
03/10/2020 02:10:00	145	26.3	27.5	27.6	26.2	27.4	27.3
03/10/2020 02:20:00	145	26.3	27.5	27.5	26.2	27.4	27.3
03/10/2020 02:30:00	145	26.3	27.5	27.5	26.2	27.4	27.3

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
03/10/2020 00:00:00	27.7	27.7	27.6	28.0	28.2
27.9	03/10/2020 00:10:00	27.7	27.7	27.6	28.0
28.2	27.9	03/10/2020 00:20:00	27.7	27.7	27.6
28.0	28.2	27.9	03/10/2020 00:30:00	27.6	27.7
27.6	28.0	28.2	27.9	03/10/2020 00:40:00	27.7
27.7	27.6	28.0	28.2	27.8	03/10/2020 00:50:00
27.6	27.7	27.6	28.0	28.2	27.8
03/10/2020 01:00:00	27.7	27.7	27.6	28.0	28.2
27.8	03/10/2020 01:10:00	27.6	27.7	27.5	28.0
28.2	27.8	03/10/2020 01:20:00	27.6	27.7	27.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
28.0	28.2	27.8	03/10/2020 01:30:00	27.6	27.7
27.5	28.0	28.2	27.8	03/10/2020 01:40:00	27.6
27.6	27.5	28.0	28.2	27.8	03/10/2020 01:50:00
27.6	27.6	27.5	28.0	28.2	27.8
03/10/2020 02:00:00	27.6	27.6	27.5	28.0	28.1
27.8	03/10/2020 02:10:00	27.6	27.6	27.5	27.9
28.1	27.8	03/10/2020 02:20:00	27.6	27.6	27.5
27.9	28.1	27.8	03/10/2020 02:30:00	27.6	27.6

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 02:40:00	31.3	105.0	80.0	-0.1	1.5	0	100
03/10/2020 02:50:00	31.3	105.0	80.0	-0.1	1.5	0	100
03/10/2020 03:00:00	31.3	105.0	80.0	-0.1	1.5	0	100
03/10/2020 03:10:00	31.3	105.0	80.0	-0.1	1.5	0	100
03/10/2020 03:20:00	31.3	105.0	80.0	-0.1	1.5	0	100
03/10/2020 03:30:00	31.2	105.0	80.0	-0.1	1.5	0	100
03/10/2020 03:40:00	31.2	105.0	80.0	-0.1	1.5	0	100
03/10/2020 03:50:00	31.2	105.0	80.0	-0.1	1.5	0	100
03/10/2020 04:00:00	31.1	105.0	80.0	-0.1	1.5	0	100
03/10/2020 04:10:00	31.1	105.0	80.0	-0.1	1.5	0	100
03/10/2020 04:20:00	31.1	105.0	80.0	-0.1	1.5	0	100
03/10/2020 04:30:00	31.1	105.0	80.0	-0.1	1.5	0	100
03/10/2020 04:40:00	31.1	105.0	80.0	-0.1	1.5	0	100
03/10/2020 04:50:00	31.0	105.0	80.0	-0.1	1.5	0	100
03/10/2020 05:00:00	31.0	105.0	80.0	-0.1	1.5	0	100

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 05:10:00	31.0	105.0	80.0	-0.1	1.5	0	100

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Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:45		Page 413 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
03/10/2020 02:40:00	145	26.3	27.5	27.5	26.2	27.4	27.3
03/10/2020 02:50:00	145	26.3	27.5	27.5	26.2	27.4	27.3
03/10/2020 03:00:00	145	26.3	27.5	27.5	26.2	27.4	27.3
03/10/2020 03:10:00	145	26.3	27.5	27.5	26.2	27.4	27.3
03/10/2020 03:20:00	145	26.3	27.5	27.5	26.2	27.4	27.3
03/10/2020 03:30:00	145	26.3	27.5	27.5	26.2	27.4	27.3
03/10/2020 03:40:00	145	26.3	27.5	27.5	26.2	27.3	27.3
03/10/2020 03:50:00	145	26.3	27.4	27.5	26.2	27.3	27.3
03/10/2020 04:00:00	145	26.3	27.4	27.5	26.2	27.3	27.3
03/10/2020 04:10:00	145	26.3	27.4	27.5	26.2	27.3	27.3
03/10/2020 04:20:00	145	26.3	27.4	27.5	26.2	27.3	27.3
03/10/2020 04:30:00	145	26.3	27.4	27.5	26.2	27.3	27.3
03/10/2020 04:40:00	145	26.3	27.4	27.5	26.1	27.3	27.3
03/10/2020 04:50:00	145	26.3	27.4	27.5	26.1	27.3	27.3
03/10/2020 05:00:00	145	26.3	27.4	27.5	26.1	27.3	27.2
03/10/2020 05:10:00	145	26.3	27.4	27.4	26.1	27.3	27.2

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:45		Page 414 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
03/10/2020 02:40:00	27.6	27.6	27.5	27.9	28.1
27.8	03/10/2020 02:50:00	27.6	27.6	27.5	27.9
28.1	27.7	03/10/2020 03:00:00	27.6	27.6	27.5
27.9	28.1	27.7	03/10/2020 03:10:00	27.6	27.6
27.5	27.9	28.1	27.7	03/10/2020 03:20:00	27.6
27.6	27.5	27.9	28.1	27.7	03/10/2020 03:30:00
27.6	27.6	27.5	27.9	28.1	27.7
03/10/2020 03:40:00	27.6	27.6	27.5	27.9	28.1
27.7	03/10/2020 03:50:00	27.6	27.6	27.5	27.9
28.1	27.7	03/10/2020 04:00:00	27.6	27.6	27.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
27.9	28.1	27.7	03/10/2020 04:10:00	27.6	27.6
27.5	27.9	28.1	27.7	03/10/2020 04:20:00	27.6
27.6	27.5	27.9	28.1	27.7	03/10/2020 04:30:00
27.6	27.6	27.5	27.9	28.1	27.7
03/10/2020 04:40:00	27.6	27.5	27.5	27.9	28.1
27.7	03/10/2020 04:50:00	27.6	27.5	27.4	27.9
28.1	27.7	03/10/2020 05:00:00	27.6	27.5	27.4
27.9	28.1	27.7	03/10/2020 05:10:00	27.5	27.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 05:20:00	31.0	105.0	80.0	-0.1	1.5	0	100
03/10/2020 05:30:00	30.9	105.0	80.0	-0.1	1.5	0	100
03/10/2020 05:40:00	30.9	105.0	80.0	-0.1	1.5	0	100
03/10/2020 05:50:00	30.9	105.0	80.0	-0.1	1.5	0	100
03/10/2020 06:00:00	30.9	105.0	80.0	-0.1	1.5	0	100
03/10/2020 06:10:00	30.8	105.0	80.0	-0.1	1.5	0	100
03/10/2020 06:20:00	30.8	105.0	80.0	-0.1	1.5	0	100
03/10/2020 06:30:00	30.8	105.0	80.0	-0.1	1.5	0	100
03/10/2020 06:40:00	30.8	105.0	80.0	-0.1	1.5	0	100
03/10/2020 06:50:00	30.7	105.0	80.0	-0.1	1.5	0	100
03/10/2020 07:00:00	30.7	105.0	80.0	-0.1	1.5	0	100
03/10/2020 07:10:00	30.7	105.0	80.0	-0.1	1.5	0	100
03/10/2020 07:20:00	30.7	105.0	80.0	-0.1	1.5	0	100
03/10/2020 07:30:00	30.6	105.0	80.0	-0.1	1.5	0	100
03/10/2020 07:40:00	30.6	105.0	80.0	-0.1	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 07:50:00	30.6	105.0	80.0	-0.1	1.5	0	100

DEMO APPLIC

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:45		Page 418 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
03/10/2020 05:20:00	145	26.3	27.4	27.4	26.1	27.3	27.2
03/10/2020 05:30:00	145	26.3	27.4	27.4	26.1	27.3	27.2
03/10/2020 05:40:00	145	26.3	27.4	27.4	26.1	27.3	27.2
03/10/2020 05:50:00	145	26.3	27.4	27.4	26.1	27.3	27.2
03/10/2020 06:00:00	145	26.3	27.4	27.4	26.1	27.2	27.2
03/10/2020 06:10:00	145	26.2	27.3	27.4	26.1	27.2	27.2
03/10/2020 06:20:00	145	26.2	27.3	27.4	26.0	27.2	27.2
03/10/2020 06:30:00	145	26.2	27.3	27.4	26.0	27.2	27.2
03/10/2020 06:40:00	145	26.2	27.3	27.3	26.0	27.2	27.2
03/10/2020 06:50:00	145	26.1	27.3	27.3	26.0	27.2	27.1
03/10/2020 07:00:00	145	26.1	27.3	27.3	25.9	27.2	27.1
03/10/2020 07:10:00	145	26.1	27.3	27.3	25.9	27.2	27.1
03/10/2020 07:20:00	145	26.1	27.3	27.3	25.9	27.1	27.1
03/10/2020 07:30:00	145	26.1	27.3	27.3	25.9	27.1	27.1
03/10/2020 07:40:00	145	26.1	27.3	27.3	25.9	27.1	27.1
03/10/2020 07:50:00	145	26.1	27.3	27.3	25.9	27.1	27.1

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:45		Page 419 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
03/10/2020 05:20:00	27.5	27.5	27.4	27.9	28.0
27.6	03/10/2020 05:30:00	27.5	27.5	27.4	27.8
28.0	27.6	03/10/2020 05:40:00	27.5	27.5	27.4
27.8	28.0	27.6	03/10/2020 05:50:00	27.5	27.5
27.4	27.8	28.0	27.6	03/10/2020 06:00:00	27.5
27.5	27.4	27.8	28.0	27.6	03/10/2020 06:10:00
27.5	27.5	27.4	27.8	28.0	27.6
03/10/2020 06:20:00	27.5	27.5	27.4	27.8	28.0
27.6	03/10/2020 06:30:00	27.5	27.5	27.3	27.8
28.0	27.6	03/10/2020 06:40:00	27.5	27.4	27.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
27.8	28.0	27.6	03/10/2020 06:50:00	27.4	27.4
27.3	27.8	28.0	27.5	03/10/2020 07:00:00	27.4
27.4	27.3	27.7	28.0	27.5	03/10/2020 07:10:00
27.4	27.4	27.3	27.7	27.9	27.5
03/10/2020 07:20:00	27.4	27.4	27.3	27.7	27.9
27.5	03/10/2020 07:30:00	27.4	27.4	27.2	27.7
27.9	27.5	03/10/2020 07:40:00	27.4	27.4	27.2
27.7	27.9	27.5	03/10/2020 07:50:00	27.4	27.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 08:00:00	30.6	105.0	80.0	-0.1	1.5	0	100
03/10/2020 08:10:00	30.6	105.0	80.0	-0.1	1.5	0	100
03/10/2020 08:20:00	30.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 08:30:00	30.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 08:40:00	30.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 08:50:00	30.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 09:00:00	30.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 09:10:00	30.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 09:20:00	30.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 09:30:00	30.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 09:40:00	30.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 09:50:00	30.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 10:00:00	30.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 10:10:00	30.3	105.0	80.0	-0.1	1.5	0	100
03/10/2020 10:20:00	30.3	105.0	80.0	-0.1	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 10:30:00	30.3	105.0	80.0	-0.1	1.5	0	100

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Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:46		Page 423 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
03/10/2020 08:00:00	145	26.1	27.2	27.3	25.9	27.1	27.1
03/10/2020 08:10:00	145	26.1	27.2	27.3	25.9	27.1	27.1
03/10/2020 08:20:00	144	26.1	27.2	27.2	25.9	27.1	27.0
03/10/2020 08:30:00	144	26.1	27.2	27.2	25.9	27.1	27.1
03/10/2020 08:40:00	144	26.1	27.2	27.2	26.0	27.1	27.0
03/10/2020 08:50:00	144	26.1	27.2	27.2	26.0	27.1	27.1
03/10/2020 09:00:00	144	26.2	27.2	27.2	26.0	27.1	27.0
03/10/2020 09:10:00	143	26.2	27.2	27.3	26.0	27.1	27.1
03/10/2020 09:20:00	143	26.2	27.2	27.3	26.0	27.1	27.1
03/10/2020 09:30:00	143	26.2	27.2	27.3	26.0	27.1	27.1
03/10/2020 09:40:00	143	26.2	27.2	27.3	26.0	27.2	27.2
03/10/2020 09:50:00	143	26.2	27.2	27.3	26.0	27.2	27.2
03/10/2020 10:00:00	143	26.2	27.2	27.3	26.1	27.2	27.2
03/10/2020 10:10:00	143	26.2	27.2	27.4	26.1	27.2	27.2
03/10/2020 10:20:00	143	26.2	27.2	27.3	26.1	27.2	27.2
03/10/2020 10:30:00	143	26.2	27.2	27.4	26.1	27.2	27.2

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
03/10/2020 08:00:00	27.4	27.3	27.2	27.7	27.9
27.4	03/10/2020 08:10:00	27.4	27.3	27.2	27.7
27.9	27.4	03/10/2020 08:20:00	27.4	27.3	27.2
27.7	27.8	27.4	03/10/2020 08:30:00	27.4	27.3
27.2	27.7	27.8	27.4	03/10/2020 08:40:00	27.4
27.3	27.2	27.6	27.8	27.4	03/10/2020 08:50:00
27.4	27.3	27.2	27.7	27.8	27.4
03/10/2020 09:00:00	27.4	27.3	27.2	27.7	27.8
27.4	03/10/2020 09:10:00	27.4	27.3	27.2	27.7
27.8	27.4	03/10/2020 09:20:00	27.4	27.3	27.2

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
27.7	27.9	27.5	03/10/2020 09:30:00	27.4	27.4
27.3	27.7	27.9	27.5	03/10/2020 09:40:00	27.4
27.4	27.3	27.8	28.0	27.5	03/10/2020 09:50:00
27.5	27.4	27.3	27.8	28.0	27.5
03/10/2020 10:00:00	27.5	27.4	27.3	27.7	27.9
27.5	03/10/2020 10:10:00	27.5	27.4	27.3	27.7
27.9	27.5	03/10/2020 10:20:00	27.5	27.4	27.3
27.7	27.9	27.5	03/10/2020 10:30:00	27.5	27.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 10:40:00	30.3	105.0	80.0	-0.1	1.5	0	100
03/10/2020 10:50:00	30.3	105.0	80.0	-0.1	1.5	0	100
03/10/2020 11:00:00	30.2	105.0	80.0	-0.1	1.5	0	100
03/10/2020 11:10:00	30.0	105.0	80.0	-0.1	1.5	0	100
03/10/2020 11:20:00	29.9	105.0	80.0	-0.1	1.5	0	100
03/10/2020 11:30:00	29.8	105.0	80.0	-0.1	1.5	0	100
03/10/2020 11:40:00	29.7	105.0	80.0	-0.1	1.5	0	100
03/10/2020 11:50:00	29.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 12:00:00	29.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 12:10:00	29.3	105.0	80.0	-0.1	1.5	0	100
03/10/2020 12:20:00	29.2	105.0	80.0	-0.1	1.5	0	100
03/10/2020 12:30:00	29.0	105.0	80.0	-0.1	1.5	0	100
03/10/2020 12:40:00	28.9	105.0	80.0	-0.1	1.5	0	100
03/10/2020 12:50:00	28.8	105.0	80.0	-0.1	1.5	0	100
03/10/2020 13:00:00	28.6	105.0	80.0	-0.1	1.5	0	100

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:46		Page 427 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 13:10:00	28.5	105.0	80.0	-0.1	1.5	0	100

DEMO APPLIC

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:46		Page 428 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
03/10/2020 10:40:00	143	26.2	27.2	27.4	26.1	27.2	27.2
03/10/2020 10:50:00	143	26.2	27.2	27.4	26.1	27.2	27.2
03/10/2020 11:00:00	144	25.3	27.1	26.9	25.3	26.8	26.1
03/10/2020 11:10:00	143	21.0	26.7	25.0	22.2	25.0	24.0
03/10/2020 11:20:00	143	18.4	26.2	23.5	19.9	23.4	22.3
03/10/2020 11:30:00	143	17.0	25.6	22.3	18.6	22.2	21.0
03/10/2020 11:40:00	143	16.2	25.0	21.4	17.6	21.3	20.1
03/10/2020 11:50:00	143	15.7	24.4	20.7	17.0	20.6	19.3
03/10/2020 12:00:00	143	15.3	23.9	20.1	16.5	20.0	18.8
03/10/2020 12:10:00	143	15.1	23.3	19.6	16.1	19.5	18.4
03/10/2020 12:20:00	143	14.9	22.8	19.3	15.8	19.1	18.0
03/10/2020 12:30:00	143	14.7	22.3	18.9	15.7	18.8	17.6
03/10/2020 12:40:00	143	14.6	21.9	18.7	15.5	18.5	17.4
03/10/2020 12:50:00	143	14.5	21.5	18.5	15.4	18.3	17.1
03/10/2020 13:00:00	143	14.5	21.1	18.3	15.3	18.1	16.9
03/10/2020 13:10:00	143	14.4	20.7	18.2	15.2	17.9	16.7

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
03/10/2020 10:40:00	27.5	27.4	27.3	27.8	27.9
27.5	03/10/2020 10:50:00	27.5	27.4	27.3	27.8
27.9	27.6	03/10/2020 11:00:00	27.1	26.9	26.1
27.4	27.6	27.1	03/10/2020 11:10:00	25.4	24.9
22.8	25.5	25.7	24.7	03/10/2020 11:20:00	23.8
23.3	20.8	23.9	23.9	22.9	03/10/2020 11:30:00
22.7	22.0	19.4	22.5	22.5	21.6
03/10/2020 11:40:00	21.8	21.0	18.5	21.5	21.5
20.7	03/10/2020 11:50:00	21.0	20.2	17.9	20.7
20.6	20.0	03/10/2020 12:00:00	20.5	19.5	17.4

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:46		Page 430 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
20.1	20.0	19.4	03/10/2020 12:10:00	20.1	19.0
17.1	19.6	19.6	19.0	03/10/2020 12:20:00	19.7
18.6	16.8	19.2	19.2	18.7	03/10/2020 12:30:00
19.4	18.2	16.6	18.9	18.9	18.4
03/10/2020 12:40:00	19.1	18.0	16.4	18.6	18.7
18.2	03/10/2020 12:50:00	18.9	17.7	16.3	18.4
18.5	18.1	03/10/2020 13:00:00	18.7	17.5	16.2
18.3	18.3	17.9	03/10/2020 13:10:00	18.6	17.4

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 13:20:00	28.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 13:30:00	28.3	105.0	80.0	-0.1	1.5	0	100
03/10/2020 13:40:00	28.1	105.0	80.0	-0.1	1.5	0	100
03/10/2020 13:50:00	28.0	105.0	80.0	-0.1	1.5	0	100
03/10/2020 14:00:00	27.9	105.0	80.0	-0.1	1.5	0	100
03/10/2020 14:10:00	27.8	105.0	80.0	-0.1	1.5	0	100
03/10/2020 14:20:00	27.7	105.0	80.0	-0.1	1.5	0	100
03/10/2020 14:30:00	27.6	105.0	80.0	-0.1	1.5	0	100
03/10/2020 14:40:00	27.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 14:50:00	27.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 15:00:00	27.2	105.0	80.0	-0.1	1.5	0	100
03/10/2020 15:10:00	27.1	105.0	80.0	-0.1	1.5	0	100
03/10/2020 15:20:00	27.0	105.0	80.0	-0.1	1.5	0	100
03/10/2020 15:30:00	26.9	105.0	80.0	-0.1	1.5	0	100
03/10/2020 15:40:00	26.8	105.0	80.0	-0.1	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 15:50:00	26.8	105.0	80.0	-0.1	1.5	0	100

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Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:46		Page 433 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
03/10/2020 13:20:00	143	14.4	20.4	18.1	15.2	17.8	16.6
03/10/2020 13:30:00	143	14.3	20.1	18.0	15.1	17.7	16.5
03/10/2020 13:40:00	143	14.3	19.8	17.8	15.1	17.5	16.4
03/10/2020 13:50:00	143	14.6	19.6	17.8	15.3	17.5	16.5
03/10/2020 14:00:00	143	14.5	19.3	17.8	15.3	17.5	16.5
03/10/2020 14:10:00	143	14.6	19.2	17.8	15.4	17.5	16.5
03/10/2020 14:20:00	143	14.4	18.9	17.8	15.2	17.4	16.3
03/10/2020 14:30:00	143	14.5	18.8	17.8	15.3	17.5	16.4
03/10/2020 14:40:00	143	14.6	18.7	17.9	15.4	17.6	16.5
03/10/2020 14:50:00	143	14.6	18.6	17.9	15.4	17.7	16.6
03/10/2020 15:00:00	143	14.6	18.5	17.9	15.5	17.7	16.5
03/10/2020 15:10:00	143	14.5	18.4	17.8	15.4	17.7	16.4
03/10/2020 15:20:00	143	14.5	18.3	17.8	15.4	17.7	16.4
03/10/2020 15:30:00	143	14.5	18.2	17.8	15.4	17.7	16.4
03/10/2020 15:40:00	143	14.5	18.2	17.9	15.4	17.7	16.5
03/10/2020 15:50:00	142	15.4	18.2	18.3	16.1	18.1	17.3

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
03/10/2020 13:20:00	18.5	17.2	16.0	18.0	18.1
17.7	03/10/2020 13:30:00	18.3	17.1	15.9	17.8
17.9	17.6	03/10/2020 13:40:00	18.2	17.0	15.8
17.7	17.9	17.5	03/10/2020 13:50:00	18.2	17.1
16.1	17.7	17.8	17.6	03/10/2020 14:00:00	18.1
17.0	16.0	17.7	17.9	17.5	03/10/2020 14:10:00
18.1	17.1	16.0	17.7	17.9	17.6
03/10/2020 14:20:00	18.1	16.9	15.9	17.6	17.7
17.4	03/10/2020 14:30:00	18.1	17.0	16.0	17.6
17.7	17.5	03/10/2020 14:40:00	18.2	17.0	16.1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
17.7	17.8	17.5	03/10/2020 14:50:00	18.3	17.1
16.1	17.8	17.8	17.6	03/10/2020 15:00:00	18.3
17.1	16.1	17.8	17.9	17.6	03/10/2020 15:10:00
18.2	17.0	16.0	17.8	17.9	17.6
03/10/2020 15:20:00	18.2	16.9	16.0	17.8	17.9
17.6	03/10/2020 15:30:00	18.3	17.0	16.0	17.8
17.9	17.5	03/10/2020 15:40:00	18.3	17.0	16.1
17.8	17.9	17.5	03/10/2020 15:50:00	18.6	17.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 16:00:00	26.8	105.0	80.0	-0.1	1.5	0	100
03/10/2020 16:10:00	26.8	105.0	80.0	-0.1	1.5	0	100
03/10/2020 16:20:00	26.8	105.0	80.0	-0.1	1.5	0	100
03/10/2020 16:30:00	26.7	105.0	80.0	-0.1	1.5	0	100
03/10/2020 16:40:00	26.7	105.0	80.0	-0.1	1.5	0	100
03/10/2020 16:50:00	26.7	105.0	80.0	-0.1	1.5	0	100
03/10/2020 17:00:00	26.7	105.0	80.0	-0.1	1.5	0	100
03/10/2020 17:10:00	26.7	105.0	80.0	-0.1	1.5	0	100
03/10/2020 17:20:00	26.7	105.0	80.0	-0.1	1.5	0	100
03/10/2020 17:30:00	26.6	105.0	80.0	-0.1	1.5	0	100
03/10/2020 17:40:00	26.6	105.0	80.0	-0.1	1.5	0	100
03/10/2020 17:50:00	26.6	105.0	80.0	-0.1	1.5	0	100
03/10/2020 18:00:00	26.6	105.0	80.0	-0.1	1.5	0	100
03/10/2020 18:10:00	26.6	105.0	80.0	-0.1	1.5	0	100
03/10/2020 18:20:00	26.6	105.0	80.0	-0.1	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 18:30:00	26.6	105.0	80.0	-0.1	1.5	0	100

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Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:46		Page 438 of 905

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
03/10/2020 16:00:00	141	16.6	18.4	19.0	17.4	18.8	18.2
03/10/2020 16:10:00	141	17.5	18.7	19.7	18.4	19.4	19.0
03/10/2020 16:20:00	141	18.3	18.9	20.2	19.2	20.0	19.6
03/10/2020 16:30:00	140	19.0	19.2	20.7	19.9	20.5	20.2
03/10/2020 16:40:00	140	19.7	19.4	21.1	20.5	20.9	20.7
03/10/2020 16:50:00	140	20.2	19.7	21.5	21.0	21.3	21.1
03/10/2020 17:00:00	140	20.7	20.0	21.9	21.4	21.6	21.5
03/10/2020 17:10:00	140	21.1	20.2	22.2	21.7	21.9	21.8
03/10/2020 17:20:00	140	21.4	20.5	22.5	22.1	22.1	22.1
03/10/2020 17:30:00	141	21.7	20.7	22.7	22.3	22.4	22.4
03/10/2020 17:40:00	140	21.9	20.9	22.9	22.6	22.6	22.6
03/10/2020 17:50:00	140	22.2	21.2	23.1	22.9	22.8	22.9
03/10/2020 18:00:00	140	22.4	21.4	23.4	23.1	23.1	23.1
03/10/2020 18:10:00	140	22.7	21.6	23.6	23.2	23.2	23.3
03/10/2020 18:20:00	140	22.9	21.8	23.8	23.5	23.5	23.5
03/10/2020 18:30:00	140	23.2	22.0	24.0	23.7	23.7	23.8

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
03/10/2020 16:00:00	19.1	18.3	17.9	19.6	19.7
19.1	03/10/2020 16:10:00	19.7	19.1	18.7	20.4
20.5	19.9	03/10/2020 16:20:00	20.2	19.8	19.5
21.1	21.2	20.5	03/10/2020 16:30:00	20.7	20.4
20.1	21.6	21.7	21.0	03/10/2020 16:40:00	21.1
20.9	20.7	22.0	22.1	21.4	03/10/2020 16:50:00
21.5	21.4	21.2	22.4	22.5	21.8
03/10/2020 17:00:00	21.8	21.8	21.6	22.7	22.8
22.1	03/10/2020 17:10:00	22.2	22.1	22.0	23.0
23.1	22.4	03/10/2020 17:20:00	22.4	22.4	22.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
23.3	23.4	22.7	03/10/2020 17:30:00	22.7	22.7
22.6	23.5	23.6	23.0	03/10/2020 17:40:00	23.0
22.9	22.8	23.8	23.8	23.2	03/10/2020 17:50:00
23.2	23.1	23.1	24.0	24.1	23.4
03/10/2020 18:00:00	23.4	23.4	23.3	24.2	24.2
23.6	03/10/2020 18:10:00	23.6	23.5	23.5	24.2
24.3	23.8	03/10/2020 18:20:00	23.8	23.7	23.7
24.3	24.4	24.0	03/10/2020 18:30:00	24.0	23.9

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 18:40:00	26.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 18:50:00	26.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 19:00:00	26.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 19:10:00	26.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 19:20:00	26.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 19:30:00	26.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 19:40:00	26.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 19:50:00	26.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 20:00:00	26.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 20:10:00	26.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 20:20:00	26.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 20:30:00	26.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 20:40:00	26.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 20:50:00	26.5	105.0	80.0	-0.1	1.5	0	100
03/10/2020 21:00:00	26.5	105.0	80.0	-0.1	1.5	0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 21:10:00	26.4	105.0	80.0	-0.1	1.5	0	100

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Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
03/10/2020 18:40:00	140	23.4	22.2	24.2	23.9	23.9	23.9
03/10/2020 18:50:00	140	23.7	22.4	24.4	24.1	24.1	24.1
03/10/2020 19:00:00	140	23.8	22.6	24.5	24.2	24.2	24.3
03/10/2020 19:10:00	140	24.0	22.8	24.7	24.3	24.3	24.5
03/10/2020 19:20:00	140	24.1	23.0	24.8	24.5	24.5	24.6
03/10/2020 19:30:00	140	24.2	23.1	25.0	24.6	24.6	24.7
03/10/2020 19:40:00	140	24.4	23.2	25.1	24.7	24.7	24.8
03/10/2020 19:50:00	140	24.4	23.4	25.2	24.7	24.8	24.8
03/10/2020 20:00:00	139	24.5	23.5	25.2	24.8	24.9	24.9
03/10/2020 20:10:00	139	24.6	23.7	25.3	24.9	25.0	24.9
03/10/2020 20:20:00	139	24.7	23.8	25.3	24.9	25.0	25.0
03/10/2020 20:30:00	139	24.7	23.9	25.4	25.0	25.1	25.1
03/10/2020 20:40:00	139	24.8	24.0	25.4	25.0	25.2	25.1
03/10/2020 20:50:00	139	24.8	24.1	25.5	25.1	25.2	25.2
03/10/2020 21:00:00	139	24.9	24.2	25.5	25.1	25.3	25.2
03/10/2020 21:10:00	139	24.9	24.3	25.6	25.1	25.4	25.3

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
03/10/2020 18:40:00	24.2	24.1	24.1	24.6	24.7
24.3	03/10/2020 18:50:00	24.3	24.3	24.3	24.8
24.9	24.5	03/10/2020 19:00:00	24.5	24.5	24.5
24.9	25.0	24.6	03/10/2020 19:10:00	24.6	24.6
24.6	25.0	25.2	24.8	03/10/2020 19:20:00	24.7
24.8	24.7	25.1	25.3	24.9	03/10/2020 19:30:00
24.9	24.9	24.9	25.2	25.4	25.0
03/10/2020 19:40:00	25.0	25.0	24.9	25.4	25.5
25.1	03/10/2020 19:50:00	25.0	25.1	25.0	25.5
25.7	25.2	03/10/2020 20:00:00	25.1	25.2	25.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
25.6	25.8	25.3	03/10/2020 20:10:00	25.2	25.3
25.1	25.7	25.9	25.4	03/10/2020 20:20:00	25.3
25.3	25.2	25.8	26.0	25.4	03/10/2020 20:30:00
25.3	25.4	25.2	25.9	26.1	25.5
03/10/2020 20:40:00	25.4	25.4	25.3	26.0	26.2
25.6	03/10/2020 20:50:00	25.4	25.5	25.3	26.0
26.2	25.7	03/10/2020 21:00:00	25.5	25.5	25.3
26.1	26.3	25.7	03/10/2020 21:10:00	25.5	25.5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 21:20:00	26.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 21:30:00	26.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 21:40:00	26.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 21:50:00	26.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 22:00:00	26.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 22:10:00	26.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 22:20:00	26.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 22:30:00	26.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 22:40:00	26.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 22:50:00	26.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 23:00:00	26.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 23:10:00	26.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 23:20:00	26.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 23:30:00	26.4	105.0	80.0	-0.1	1.5	0	100
03/10/2020 23:40:00	26.4	105.0	80.0	-0.1	1.5	0	100

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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	STERILIZATION TEMPERATURE SP (MSWF-ST01) 200-RPT/TICR- 201_SP_MSW.CV	COOLING TEMPERATURE SP (MSWF-CT01) 200-RPT/TICR- 201_CSP_MSW.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	POST STERILIZATION PRESSURE SP (MSWF-PSP01) 200-RPT/PICR- 201_PSP_MSW.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (MSWF-AGS01) 200-RPT/SICR- 201_SP_MSW.CV
03/10/2020 23:50:00	26.4	105.0	80.0	-0.1	1.5	0	100

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
03/10/2020 21:20:00	139	24.9	24.4	25.7	25.2	25.4	25.3
03/10/2020 21:30:00	139	25.0	24.5	25.7	25.2	25.5	25.4
03/10/2020 21:40:00	139	25.0	24.6	25.8	25.2	25.5	25.4
03/10/2020 21:50:00	139	25.1	24.7	25.8	25.2	25.6	25.5
03/10/2020 22:00:00	139	25.1	24.8	25.9	25.2	25.6	25.5
03/10/2020 22:10:00	139	25.1	24.9	25.9	25.3	25.7	25.5
03/10/2020 22:20:00	138	25.2	25.0	26.0	25.3	25.7	25.6
03/10/2020 22:30:00	138	25.2	25.0	26.0	25.3	25.8	25.6
03/10/2020 22:40:00	138	25.2	25.1	26.0	25.3	25.8	25.7
03/10/2020 22:50:00	138	25.2	25.2	26.1	25.3	25.9	25.8

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**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

DATE & TIME	LEVEL LICR-0201/PV.CV	Temp-Vessel Drain TICR-0202/PV.CV	Temp-Chilled water inlet TICR-0203/PV.CV	Temp-Antifoam Line Drain TICR-0205/PV.CV	Temp-Sampling Line Drain TICR-0206/PV.CV	Temp-Acid Line Drain TICR-0207/PV.CV	Temp-Alkali Line Drain TICR-0208/PV.CV
03/10/2020 23:00:00	138	25.3	25.2	26.2	25.4	25.9	25.9
03/10/2020 23:10:00	138	25.3	25.3	26.2	25.3	26.0	25.9
03/10/2020 23:20:00	138	25.3	25.4	26.3	25.3	26.0	26.0
03/10/2020 23:30:00	138	25.3	25.4	26.3	25.3	26.0	26.0
03/10/2020 23:40:00	138	25.3	25.5	26.3	25.3	26.1	26.0
03/10/2020 23:50:00	138	25.4	25.6	26.3	25.3	26.1	26.1

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
03/10/2020 21:20:00	25.6	25.6	25.5	26.2	26.4
25.9	03/10/2020 21:30:00	25.6	25.6	25.5	26.3
26.5	25.9	03/10/2020 21:40:00	25.6	25.7	25.6
26.3	26.5	26.0	03/10/2020 21:50:00	25.7	25.7

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Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
25.6	26.4	26.6	26.0	03/10/2020 22:00:00	25.7
25.8	25.6	26.4	26.6	26.1	03/10/2020 22:10:00
25.8	25.8	25.7	26.5	26.7	26.1
03/10/2020 22:20:00	25.8	25.8	25.7	26.5	26.7
26.1	03/10/2020 22:30:00	25.8	25.9	25.8	26.5
26.8	26.2	03/10/2020 22:40:00	25.9	25.9	25.8
26.6	26.8	26.2	03/10/2020 22:50:00	25.9	26.0
25.9	26.6	26.8	26.3	03/10/2020 23:00:00	26.0
26.1	26.0	26.6	26.9	26.3	03/10/2020 23:10:00
26.1	26.2	26.1	26.7	26.9	26.4

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**MEDIA STERILIZATION WITH OUT FILTER (MSWF)**

Temp-Feed 1 Drain TICR-0209/PV.CV	Temp-Feed 2 Drain TICR-0210/PV.CV	Temp-Innoculum Drain TICR-0211/PV.CV	Temp- Exhaust Line Drain TICR-0212/PV.CV	Temp- Exhaust Line Drain TICR-0213/PV.CV	Temp- Sparger Line Drain TICR-0214/PV.CV
03/10/2020 23:20:00	26.1	26.2	26.1	26.7	26.9
26.4	03/10/2020 23:30:00	26.2	26.2	26.2	26.7
26.9	26.4	03/10/2020 23:40:00	26.2	26.3	26.2
26.8	26.9	26.5	03/10/2020 23:50:00	26.3	26.3

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
01/10/2020 00:00:00	0	100	27.7	15	14	103	103
01/10/2020 00:10:00	0	100	27.6	15	14	103	103
01/10/2020 00:20:00	0	100	27.5	15	14	103	103
01/10/2020 00:30:00	0	100	27.3	15	14	103	103
01/10/2020 00:40:00	0	100	27.2	15	14	103	103
01/10/2020 00:50:00	0	100	27.1	15	14	103	103
01/10/2020 01:00:00	0	100	27.0	15	14	103	103
01/10/2020 01:10:00	0	100	26.9	15	14	103	103
01/10/2020 01:20:00	0	100	26.8	15	14	103	103
01/10/2020 01:30:00	0	100	26.7	15	14	103	103
01/10/2020 01:40:00	0	100	26.6	15	14	103	103
01/10/2020 01:50:00	0	100	26.5	15	14	103	103
01/10/2020 02:00:00	0	100	26.4	15	14	103	103
01/10/2020 02:10:00	0	100	26.3	15	14	103	103
01/10/2020 02:20:00	0	100	26.2	15	14	103	103
01/10/2020 02:30:00	0	100	26.1	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
01/10/2020 00:00:00	-0.14	0	0	162	0.20	37.0	100
01/10/2020 00:10:00	-0.14	0	0	162	0.20	37.0	100
01/10/2020 00:20:00	-0.14	0	0	162	0.20	37.0	100
01/10/2020 00:30:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 00:40:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 00:50:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 01:00:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 01:10:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 01:20:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 01:30:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 01:40:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 01:50:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 02:00:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 02:10:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 02:20:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 02:30:00	-0.13	0	0	162	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
01/10/2020 00:00:00	7	1	50	5	0.5	100	100
01/10/2020 00:10:00	7	1	50	5	0.5	100	100
01/10/2020 00:20:00	7	1	50	5	0.5	100	100
01/10/2020 00:30:00	7	1	50	5	0.5	100	100
01/10/2020 00:40:00	7	1	50	5	0.5	100	100
01/10/2020 00:50:00	7	1	50	5	0.5	100	100
01/10/2020 01:00:00	7	1	50	5	0.5	100	100
01/10/2020 01:10:00	7	1	50	5	0.5	100	100
01/10/2020 01:20:00	7	1	50	5	0.5	100	100
01/10/2020 01:30:00	7	1	50	5	0.5	100	100
01/10/2020 01:40:00	7	1	50	5	0.5	100	100
01/10/2020 01:50:00	7	1	50	5	0.5	100	100
01/10/2020 02:00:00	7	1	50	5	0.5	100	100
01/10/2020 02:10:00	7	1	50	5	0.5	100	100
01/10/2020 02:20:00	7	1	50	5	0.5	100	100
01/10/2020 02:30:00	7	1	50	5	0.5	100	100

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**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
01/10/2020 00:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 00:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 00:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 00:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 00:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 00:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 01:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 01:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 01:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 01:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 01:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 01:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 02:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 02:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 02:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 02:30:00	725	10	20	0.30	1.00	0.30	0.10

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**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC- 202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC- 202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC- 202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC- 202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR- 205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR- 203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR- 204_SP_FM.CV
01/10/2020 00:00:00	0	100	10	10	10	2	1
01/10/2020 00:10:00	0	100	10	10	10	2	1
01/10/2020 00:20:00	0	100	10	10	10	2	1
01/10/2020 00:30:00	0	100	10	10	10	2	1
01/10/2020 00:40:00	0	100	10	10	10	2	1
01/10/2020 00:50:00	0	100	10	10	10	2	1
01/10/2020 01:00:00	0	100	10	10	10	2	1
01/10/2020 01:10:00	0	100	10	10	10	2	1
01/10/2020 01:20:00	0	100	10	10	10	2	1
01/10/2020 01:30:00	0	100	10	10	10	2	1
01/10/2020 01:40:00	0	100	10	10	10	2	1
01/10/2020 01:50:00	0	100	10	10	10	2	1
01/10/2020 02:00:00	0	100	10	10	10	2	1
01/10/2020 02:10:00	0	100	10	10	10	2	1
01/10/2020 02:20:00	0	100	10	10	10	2	1
01/10/2020 02:30:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
01/10/2020 02:40:00	0	100	26.0	15	14	103	103
01/10/2020 02:50:00	0	100	25.9	15	14	103	103
01/10/2020 03:00:00	0	100	25.8	15	14	103	103
01/10/2020 03:10:00	0	100	25.7	15	14	103	103
01/10/2020 03:20:00	0	100	25.6	15	14	103	103
01/10/2020 03:30:00	0	100	25.5	15	14	103	103
01/10/2020 03:40:00	0	100	25.4	15	14	103	103
01/10/2020 03:50:00	0	100	25.3	15	14	103	103
01/10/2020 04:00:00	0	100	25.2	15	14	103	103
01/10/2020 04:10:00	0	100	25.2	15	14	103	103
01/10/2020 04:20:00	0	100	25.1	15	14	103	103
01/10/2020 04:30:00	0	100	25.0	15	14	103	103
01/10/2020 04:40:00	0	100	24.9	15	14	103	103
01/10/2020 04:50:00	0	100	24.8	15	14	103	103
01/10/2020 05:00:00	0	100	24.7	15	14	103	103
01/10/2020 05:10:00	0	100	24.6	15	14	103	103

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
01/10/2020 02:40:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 02:50:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 03:00:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 03:10:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 03:20:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 03:30:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 03:40:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 03:50:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 04:00:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 04:10:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 04:20:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 04:30:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 04:40:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 04:50:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 05:00:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 05:10:00	-0.13	0	0	162	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
01/10/2020 02:40:00	7	1	50	5	0.5	100	100
01/10/2020 02:50:00	7	1	50	5	0.5	100	100
01/10/2020 03:00:00	7	1	50	5	0.5	100	100
01/10/2020 03:10:00	7	1	50	5	0.5	100	100
01/10/2020 03:20:00	7	1	50	5	0.5	100	100
01/10/2020 03:30:00	7	1	50	5	0.5	100	100
01/10/2020 03:40:00	7	1	50	5	0.5	100	100
01/10/2020 03:50:00	7	1	50	5	0.5	100	100
01/10/2020 04:00:00	7	1	50	5	0.5	100	100
01/10/2020 04:10:00	7	1	50	5	0.5	100	100
01/10/2020 04:20:00	7	1	50	5	0.5	100	100
01/10/2020 04:30:00	7	1	50	5	0.5	100	100
01/10/2020 04:40:00	7	1	50	5	0.5	100	100
01/10/2020 04:50:00	7	1	50	5	0.5	100	100
01/10/2020 05:00:00	7	1	50	5	0.5	100	100
01/10/2020 05:10:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
01/10/2020 02:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 02:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 03:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 03:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 03:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 03:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 03:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 03:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 04:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 04:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 04:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 04:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 04:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 04:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 05:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 05:10:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
01/10/2020 02:40:00	0	100	10	10	10	2	1
01/10/2020 02:50:00	0	100	10	10	10	2	1
01/10/2020 03:00:00	0	100	10	10	10	2	1
01/10/2020 03:10:00	0	100	10	10	10	2	1
01/10/2020 03:20:00	0	100	10	10	10	2	1
01/10/2020 03:30:00	0	100	10	10	10	2	1
01/10/2020 03:40:00	0	100	10	10	10	2	1
01/10/2020 03:50:00	0	100	10	10	10	2	1
01/10/2020 04:00:00	0	100	10	10	10	2	1
01/10/2020 04:10:00	0	100	10	10	10	2	1
01/10/2020 04:20:00	0	100	10	10	10	2	1
01/10/2020 04:30:00	0	100	10	10	10	2	1
01/10/2020 04:40:00	0	100	10	10	10	2	1
01/10/2020 04:50:00	0	100	10	10	10	2	1
01/10/2020 05:00:00	0	100	10	10	10	2	1
01/10/2020 05:10:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
01/10/2020 05:20:00	0	100	24.5	15	14	103	103
01/10/2020 05:30:00	0	100	24.5	15	14	103	103
01/10/2020 05:40:00	0	100	24.4	15	14	103	103
01/10/2020 05:50:00	0	100	24.3	15	14	103	103
01/10/2020 06:00:00	0	100	24.2	15	14	103	103
01/10/2020 06:10:00	0	100	24.2	15	14	103	103
01/10/2020 06:20:00	0	100	24.1	15	14	103	103
01/10/2020 06:30:00	0	100	24.0	15	14	103	103
01/10/2020 06:40:00	0	100	23.9	15	14	103	103
01/10/2020 06:50:00	0	100	23.9	15	14	103	103
01/10/2020 07:00:00	0	100	23.8	15	14	103	103
01/10/2020 07:10:00	0	100	23.7	15	14	103	103
01/10/2020 07:20:00	0	100	23.6	15	14	103	103
01/10/2020 07:30:00	0	100	23.5	15	14	103	103
01/10/2020 07:40:00	0	100	23.5	15	14	103	103
01/10/2020 07:50:00	0	100	23.4	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
01/10/2020 05:20:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 05:30:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 05:40:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 05:50:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 06:00:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 06:10:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 06:20:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 06:30:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 06:40:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 06:50:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 07:00:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 07:10:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 07:20:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 07:30:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 07:40:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 07:50:00	-0.13	0	0	162	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
01/10/2020 05:20:00	7	1	50	5	0.5	100	100
01/10/2020 05:30:00	7	1	50	5	0.5	100	100
01/10/2020 05:40:00	7	1	50	5	0.5	100	100
01/10/2020 05:50:00	7	1	50	5	0.5	100	100
01/10/2020 06:00:00	7	1	50	5	0.5	100	100
01/10/2020 06:10:00	7	1	50	5	0.5	100	100
01/10/2020 06:20:00	7	1	50	5	0.5	100	100
01/10/2020 06:30:00	7	1	50	5	0.5	100	100
01/10/2020 06:40:00	7	1	50	5	0.5	100	100
01/10/2020 06:50:00	7	1	50	5	0.5	100	100
01/10/2020 07:00:00	7	1	50	5	0.5	100	100
01/10/2020 07:10:00	7	1	50	5	0.5	100	100
01/10/2020 07:20:00	7	1	50	5	0.5	100	100
01/10/2020 07:30:00	7	1	50	5	0.5	100	100
01/10/2020 07:40:00	7	1	50	5	0.5	100	100
01/10/2020 07:50:00	7	1	50	5	0.5	100	100

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:59		Page 464 of 905



**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
01/10/2020 05:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 05:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 05:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 05:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 06:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 06:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 06:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 06:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 06:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 06:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 07:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 07:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 07:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 07:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 07:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 07:50:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
01/10/2020 05:20:00	0	100	10	10	10	2	1
01/10/2020 05:30:00	0	100	10	10	10	2	1
01/10/2020 05:40:00	0	100	10	10	10	2	1
01/10/2020 05:50:00	0	100	10	10	10	2	1
01/10/2020 06:00:00	0	100	10	10	10	2	1
01/10/2020 06:10:00	0	100	10	10	10	2	1
01/10/2020 06:20:00	0	100	10	10	10	2	1
01/10/2020 06:30:00	0	100	10	10	10	2	1
01/10/2020 06:40:00	0	100	10	10	10	2	1
01/10/2020 06:50:00	0	100	10	10	10	2	1
01/10/2020 07:00:00	0	100	10	10	10	2	1
01/10/2020 07:10:00	0	100	10	10	10	2	1
01/10/2020 07:20:00	0	100	10	10	10	2	1
01/10/2020 07:30:00	0	100	10	10	10	2	1
01/10/2020 07:40:00	0	100	10	10	10	2	1
01/10/2020 07:50:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
01/10/2020 08:00:00	0	100	23.3	15	14	103	103
01/10/2020 08:10:00	0	100	23.3	15	14	103	103
01/10/2020 08:20:00	0	100	23.2	15	14	103	103
01/10/2020 08:30:00	0	100	23.1	15	14	103	103
01/10/2020 08:40:00	0	100	23.1	15	14	103	103
01/10/2020 08:50:00	0	100	23.0	15	14	103	103
01/10/2020 09:00:00	0	100	22.9	15	14	103	103
01/10/2020 09:10:00	0	100	22.9	15	14	103	103
01/10/2020 09:20:00	0	100	22.8	15	14	103	103
01/10/2020 09:30:00	0	100	22.7	15	14	103	103
01/10/2020 09:40:00	0	100	22.7	15	14	103	103
01/10/2020 09:50:00	0	100	22.6	15	14	103	103
01/10/2020 10:00:00	0	100	22.5	15	14	103	103
01/10/2020 10:10:00	0	100	22.5	15	14	103	103
01/10/2020 10:20:00	0	100	22.5	15	14	103	103
01/10/2020 10:30:00	0	100	22.5	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
01/10/2020 08:00:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 08:10:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 08:20:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 08:30:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 08:40:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 08:50:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 09:00:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 09:10:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 09:20:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 09:30:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 09:40:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 09:50:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 10:00:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 10:10:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 10:20:00	-0.13	0	0	162	0.20	37.0	100
01/10/2020 10:30:00	-0.12	0	0	162	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
01/10/2020 08:00:00	7	1	50	5	0.5	100	100
01/10/2020 08:10:00	7	1	50	5	0.5	100	100
01/10/2020 08:20:00	7	1	50	5	0.5	100	100
01/10/2020 08:30:00	7	1	50	5	0.5	100	100
01/10/2020 08:40:00	7	1	50	5	0.5	100	100
01/10/2020 08:50:00	7	1	50	5	0.5	100	100
01/10/2020 09:00:00	7	1	50	5	0.5	100	100
01/10/2020 09:10:00	7	1	50	5	0.5	100	100
01/10/2020 09:20:00	7	1	50	5	0.5	100	100
01/10/2020 09:30:00	7	1	50	5	0.5	100	100
01/10/2020 09:40:00	7	1	50	5	0.5	100	100
01/10/2020 09:50:00	7	1	50	5	0.5	100	100
01/10/2020 10:00:00	7	1	50	5	0.5	100	100
01/10/2020 10:10:00	7	1	50	5	0.5	100	100
01/10/2020 10:20:00	7	1	50	5	0.5	100	100
01/10/2020 10:30:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
01/10/2020 08:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 08:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 08:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 08:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 08:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 08:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 09:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 09:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 09:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 09:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 09:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 09:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 10:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 10:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 10:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 10:30:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC- 202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC- 202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC- 202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC- 202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR- 205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR- 203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR- 204_SP_FM.CV
01/10/2020 08:00:00	0	100	10	10	10	2	1
01/10/2020 08:10:00	0	100	10	10	10	2	1
01/10/2020 08:20:00	0	100	10	10	10	2	1
01/10/2020 08:30:00	0	100	10	10	10	2	1
01/10/2020 08:40:00	0	100	10	10	10	2	1
01/10/2020 08:50:00	0	100	10	10	10	2	1
01/10/2020 09:00:00	0	100	10	10	10	2	1
01/10/2020 09:10:00	0	100	10	10	10	2	1
01/10/2020 09:20:00	0	100	10	10	10	2	1
01/10/2020 09:30:00	0	100	10	10	10	2	1
01/10/2020 09:40:00	0	100	10	10	10	2	1
01/10/2020 09:50:00	0	100	10	10	10	2	1
01/10/2020 10:00:00	0	100	10	10	10	2	1
01/10/2020 10:10:00	0	100	10	10	10	2	1
01/10/2020 10:20:00	0	100	10	10	10	2	1
01/10/2020 10:30:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
01/10/2020 10:40:00	0	100	22.5	15	14	103	103
01/10/2020 10:50:00	0	100	22.5	15	14	103	103
01/10/2020 11:00:00	100	100	26.2	15	14	103	103
01/10/2020 11:10:00	100	100	26.2	15	14	103	103
01/10/2020 11:20:00	100	100	47.7	15	14	103	103
01/10/2020 11:30:00	100	100	85.8	15	14	103	103
01/10/2020 11:40:00	100	100	99.7	15	14	103	103
01/10/2020 11:50:00	0	100	101.9	15	14	103	103
01/10/2020 12:00:00	0	100	100.1	15	14	103	103
01/10/2020 12:10:00	0	100	98.6	15	14	103	103
01/10/2020 12:20:00	0	100	105.1	15	14	103	103
01/10/2020 12:30:00	0	100	105.3	15	14	103	103
01/10/2020 12:40:00	0	100	79.3	15	14	103	103
01/10/2020 12:50:00	0	100	58.1	15	14	103	103
01/10/2020 13:00:00	0	100	46.3	15	14	103	103
01/10/2020 13:10:00	0	100	43.1	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
01/10/2020 10:40:00	-0.12	0	0	162	0.20	37.0	100
01/10/2020 10:50:00	-0.12	0	0	162	0.20	37.0	100
01/10/2020 11:00:00	-0.02	0	0	155	0.20	37.0	100
01/10/2020 11:10:00	-0.02	0	0	154	0.20	37.0	100
01/10/2020 11:20:00	0.05	0	0	128	0.20	37.0	100
01/10/2020 11:30:00	-0.01	0	0	129	0.20	37.0	100
01/10/2020 11:40:00	0.15	0	0	129	0.20	37.0	100
01/10/2020 11:50:00	0.24	0	0	129	0.20	37.0	100
01/10/2020 12:00:00	0.18	0	0	129	0.20	37.0	100
01/10/2020 12:10:00	0.13	0	0	129	0.20	37.0	100
01/10/2020 12:20:00	0.39	0	0	127	0.20	37.0	100
01/10/2020 12:30:00	0.40	0	0	127	0.20	37.0	100
01/10/2020 12:40:00	1.50	1	0	154	0.20	37.0	100
01/10/2020 12:50:00	1.50	0	0	153	0.20	37.0	100
01/10/2020 13:00:00	1.50	1	0	153	0.20	37.0	100
01/10/2020 13:10:00	1.50	0	0	153	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

FERMENTATION (FER)							
DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
01/10/2020 10:40:00	7	1	50	5	0.5	100	100
01/10/2020 10:50:00	7	1	50	5	0.5	100	100
01/10/2020 11:00:00	7	1	50	5	0.5	100	100
01/10/2020 11:10:00	7	1	50	5	0.5	100	100
01/10/2020 11:20:00	7	1	50	5	0.5	100	100
01/10/2020 11:30:00	7	1	50	5	0.5	100	100
01/10/2020 11:40:00	7	1	50	5	0.5	100	100
01/10/2020 11:50:00	7	1	50	5	0.5	100	100
01/10/2020 12:00:00	7	1	50	5	0.5	100	100
01/10/2020 12:10:00	7	1	50	5	0.5	100	100
01/10/2020 12:20:00	7	1	50	5	0.5	100	100
01/10/2020 12:30:00	7	1	50	5	0.5	100	100
01/10/2020 12:40:00	7	1	50	5	0.5	100	100
01/10/2020 12:50:00	7	1	50	5	0.5	100	100
01/10/2020 13:00:00	7	1	50	5	0.5	100	100
01/10/2020 13:10:00	7	1	50	5	0.5	100	100

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:40:59		Page 474 of 905

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
01/10/2020 10:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 10:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 11:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 11:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 11:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 11:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 11:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 11:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 12:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 12:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 12:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 12:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 12:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 12:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 13:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 13:10:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
01/10/2020 10:40:00	0	100	10	10	10	2	1
01/10/2020 10:50:00	0	100	10	10	10	2	1
01/10/2020 11:00:00	0	100	10	10	10	2	1
01/10/2020 11:10:00	0	100	10	10	10	2	1
01/10/2020 11:20:00	0	100	10	10	10	2	1
01/10/2020 11:30:00	0	100	10	10	10	2	1
01/10/2020 11:40:00	0	100	10	10	10	2	1
01/10/2020 11:50:00	0	100	10	10	10	2	1
01/10/2020 12:00:00	0	100	10	10	10	2	1
01/10/2020 12:10:00	0	100	10	10	10	2	1
01/10/2020 12:20:00	0	100	10	10	10	2	1
01/10/2020 12:30:00	0	100	10	10	10	2	1
01/10/2020 12:40:00	0	100	10	10	10	2	1
01/10/2020 12:50:00	0	100	10	10	10	2	1
01/10/2020 13:00:00	0	100	10	10	10	2	1
01/10/2020 13:10:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
01/10/2020 13:20:00	0	100	41.9	15	14	103	103
01/10/2020 13:30:00	0	100	41.3	15	14	103	103
01/10/2020 13:40:00	0	100	40.9	15	14	103	103
01/10/2020 13:50:00	0	100	40.6	15	14	103	103
01/10/2020 14:00:00	0	100	40.3	15	14	103	103
01/10/2020 14:10:00	100	100	48.3	15	14	103	103
01/10/2020 14:20:00	100	100	85.8	15	14	103	103
01/10/2020 14:30:00	100	100	100.3	15	14	103	103
01/10/2020 14:40:00	100	100	108.1	15	14	103	103
01/10/2020 14:50:00	100	100	112.0	15	14	103	103
01/10/2020 15:00:00	100	100	113.7	15	14	103	103
01/10/2020 15:10:00	0	100	113.7	15	14	103	103
01/10/2020 15:20:00	0	100	111.8	15	14	103	103
01/10/2020 15:30:00	100	100	108.8	15	14	103	103
01/10/2020 15:40:00	0	100	107.5	15	14	103	103
01/10/2020 15:50:00	100	100	105.6	15	14	103	103

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
01/10/2020 13:20:00	1.50	0	0	153	0.20	37.0	100
01/10/2020 13:30:00	1.50	0	0	153	0.20	37.0	100
01/10/2020 13:40:00	1.50	0	0	153	0.20	37.0	100
01/10/2020 13:50:00	1.50	0	0	153	0.20	37.0	100
01/10/2020 14:00:00	1.50	0	0	153	0.20	37.0	100
01/10/2020 14:10:00	0.10	0	0	125	0.20	37.0	100
01/10/2020 14:20:00	0.05	0	0	126	0.20	37.0	100
01/10/2020 14:30:00	0.21	0	0	126	0.20	37.0	100
01/10/2020 14:40:00	0.54	0	0	126	0.20	37.0	100
01/10/2020 14:50:00	0.74	0	0	126	0.20	37.0	100
01/10/2020 15:00:00	0.83	0	0	125	0.20	37.0	100
01/10/2020 15:10:00	0.83	0	0	124	0.20	37.0	100
01/10/2020 15:20:00	0.71	0	0	125	0.20	37.0	100
01/10/2020 15:30:00	0.58	0	0	123	0.20	37.0	100
01/10/2020 15:40:00	0.51	0	0	123	0.20	37.0	100
01/10/2020 15:50:00	1.74	49	0	132	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
01/10/2020 13:20:00	7	1	50	5	0.5	100	100
01/10/2020 13:30:00	7	1	50	5	0.5	100	100
01/10/2020 13:40:00	7	1	50	5	0.5	100	100
01/10/2020 13:50:00	7	1	50	5	0.5	100	100
01/10/2020 14:00:00	7	1	50	5	0.5	100	100
01/10/2020 14:10:00	7	1	50	5	0.5	100	100
01/10/2020 14:20:00	7	1	50	5	0.5	100	100
01/10/2020 14:30:00	7	1	50	5	0.5	100	100
01/10/2020 14:40:00	7	1	50	5	0.5	100	100
01/10/2020 14:50:00	7	1	50	5	0.5	100	100
01/10/2020 15:00:00	7	1	50	5	0.5	100	100
01/10/2020 15:10:00	7	1	50	5	0.5	100	100
01/10/2020 15:20:00	7	1	50	5	0.5	100	100
01/10/2020 15:30:00	7	1	50	5	0.5	100	100
01/10/2020 15:40:00	7	1	50	5	0.5	100	100
01/10/2020 15:50:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
01/10/2020 13:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 13:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 13:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 13:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 14:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 14:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 14:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 14:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 14:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 14:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 15:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 15:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 15:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 15:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 15:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 15:50:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC- 202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC- 202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC- 202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC- 202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR- 205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR- 203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR- 204_SP_FM.CV
01/10/2020 13:20:00	0	100	10	10	10	2	1
01/10/2020 13:30:00	0	100	10	10	10	2	1
01/10/2020 13:40:00	0	100	10	10	10	2	1
01/10/2020 13:50:00	0	100	10	10	10	2	1
01/10/2020 14:00:00	0	100	10	10	10	2	1
01/10/2020 14:10:00	0	100	10	10	10	2	1
01/10/2020 14:20:00	0	100	10	10	10	2	1
01/10/2020 14:30:00	0	100	10	10	10	2	1
01/10/2020 14:40:00	0	100	10	10	10	2	1
01/10/2020 14:50:00	0	100	10	10	10	2	1
01/10/2020 15:00:00	0	100	10	10	10	2	1
01/10/2020 15:10:00	0	100	10	10	10	2	1
01/10/2020 15:20:00	0	100	10	10	10	2	1
01/10/2020 15:30:00	0	100	10	10	10	2	1
01/10/2020 15:40:00	0	100	10	10	10	2	1
01/10/2020 15:50:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
01/10/2020 16:00:00	0	100	71.6	15	14	103	103
01/10/2020 16:10:00	0	100	65.5	15	14	103	103
01/10/2020 16:20:00	0	100	63.5	15	14	103	103
01/10/2020 16:30:00	0	100	57.2	15	14	103	103
01/10/2020 16:40:00	0	100	50.9	15	14	103	103
01/10/2020 16:50:00	0	100	49.3	15	14	103	103
01/10/2020 17:00:00	0	100	48.5	15	14	103	103
01/10/2020 17:10:00	0	100	48.0	15	14	103	103
01/10/2020 17:20:00	0	100	47.7	15	14	103	103
01/10/2020 17:30:00	0	100	47.4	15	14	103	103
01/10/2020 17:40:00	0	100	47.2	15	14	103	103
01/10/2020 17:50:00	0	100	46.9	15	14	103	103
01/10/2020 18:00:00	0	100	46.6	15	14	103	103
01/10/2020 18:10:00	0	100	46.4	15	14	103	103
01/10/2020 18:20:00	0	100	46.2	15	14	103	103
01/10/2020 18:30:00	0	100	45.9	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
01/10/2020 16:00:00	1.46	0	0	149	0.20	37.0	100
01/10/2020 16:10:00	1.34	0	0	150	0.20	37.0	100
01/10/2020 16:20:00	1.28	0	0	150	0.20	37.0	100
01/10/2020 16:30:00	-0.02	0	0	143	0.20	37.0	100
01/10/2020 16:40:00	-0.05	0	0	139	0.20	37.0	100
01/10/2020 16:50:00	-0.07	0	0	140	0.20	37.0	100
01/10/2020 17:00:00	-0.09	0	0	141	0.20	37.0	100
01/10/2020 17:10:00	-0.10	0	0	142	0.20	37.0	100
01/10/2020 17:20:00	-0.11	0	0	142	0.20	37.0	100
01/10/2020 17:30:00	-0.12	0	0	142	0.20	37.0	100
01/10/2020 17:40:00	-0.13	0	0	143	0.20	37.0	100
01/10/2020 17:50:00	-0.14	0	0	143	0.20	37.0	100
01/10/2020 18:00:00	-0.14	0	0	143	0.20	37.0	100
01/10/2020 18:10:00	-0.15	0	0	143	0.20	37.0	100
01/10/2020 18:20:00	-0.15	0	0	144	0.20	37.0	100
01/10/2020 18:30:00	-0.15	0	0	144	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
01/10/2020 16:00:00	7	1	50	5	0.5	100	100
01/10/2020 16:10:00	7	1	50	5	0.5	100	100
01/10/2020 16:20:00	7	1	50	5	0.5	100	100
01/10/2020 16:30:00	7	1	50	5	0.5	100	100
01/10/2020 16:40:00	7	1	50	5	0.5	100	100
01/10/2020 16:50:00	7	1	50	5	0.5	100	100
01/10/2020 17:00:00	7	1	50	5	0.5	100	100
01/10/2020 17:10:00	7	1	50	5	0.5	100	100
01/10/2020 17:20:00	7	1	50	5	0.5	100	100
01/10/2020 17:30:00	7	1	50	5	0.5	100	100
01/10/2020 17:40:00	7	1	50	5	0.5	100	100
01/10/2020 17:50:00	7	1	50	5	0.5	100	100
01/10/2020 18:00:00	7	1	50	5	0.5	100	100
01/10/2020 18:10:00	7	1	50	5	0.5	100	100
01/10/2020 18:20:00	7	1	50	5	0.5	100	100
01/10/2020 18:30:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
01/10/2020 16:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 16:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 16:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 16:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 16:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 16:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 17:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 17:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 17:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 17:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 17:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 17:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 18:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 18:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 18:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 18:30:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
01/10/2020 16:00:00	0	100	10	10	10	2	1
01/10/2020 16:10:00	0	100	10	10	10	2	1
01/10/2020 16:20:00	0	100	10	10	10	2	1
01/10/2020 16:30:00	0	100	10	10	10	2	1
01/10/2020 16:40:00	0	100	10	10	10	2	1
01/10/2020 16:50:00	0	100	10	10	10	2	1
01/10/2020 17:00:00	0	100	10	10	10	2	1
01/10/2020 17:10:00	0	100	10	10	10	2	1
01/10/2020 17:20:00	0	100	10	10	10	2	1
01/10/2020 17:30:00	0	100	10	10	10	2	1
01/10/2020 17:40:00	0	100	10	10	10	2	1
01/10/2020 17:50:00	0	100	10	10	10	2	1
01/10/2020 18:00:00	0	100	10	10	10	2	1
01/10/2020 18:10:00	0	100	10	10	10	2	1
01/10/2020 18:20:00	0	100	10	10	10	2	1
01/10/2020 18:30:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
01/10/2020 18:40:00	0	100	45.7	15	14	103	103
01/10/2020 18:50:00	0	100	45.5	15	14	103	103
01/10/2020 19:00:00	0	100	45.3	15	14	103	103
01/10/2020 19:10:00	0	100	45.0	15	14	103	103
01/10/2020 19:20:00	0	100	44.8	15	14	103	103
01/10/2020 19:30:00	0	100	44.6	15	14	103	103
01/10/2020 19:40:00	0	100	44.4	15	14	103	103
01/10/2020 19:50:00	0	100	44.2	15	14	103	103
01/10/2020 20:00:00	0	100	44.0	15	14	103	103
01/10/2020 20:10:00	0	100	43.8	15	14	103	103
01/10/2020 20:20:00	0	100	43.6	15	14	103	103
01/10/2020 20:30:00	0	100	43.4	15	14	103	103
01/10/2020 20:40:00	0	100	43.2	15	14	103	103
01/10/2020 20:50:00	0	100	43.1	15	14	103	103
01/10/2020 21:00:00	0	100	42.9	15	14	103	103
01/10/2020 21:10:00	0	100	42.7	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
01/10/2020 18:40:00	-0.15	0	0	141	0.20	37.0	100
01/10/2020 18:50:00	-0.16	0	0	142	0.20	37.0	100
01/10/2020 19:00:00	-0.16	0	0	143	0.20	37.0	100
01/10/2020 19:10:00	-0.16	0	0	142	0.20	37.0	100
01/10/2020 19:20:00	-0.16	0	0	143	0.20	37.0	100
01/10/2020 19:30:00	-0.16	0	0	143	0.20	37.0	100
01/10/2020 19:40:00	-0.17	0	0	143	0.20	37.0	100
01/10/2020 19:50:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 20:00:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 20:10:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 20:20:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 20:30:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 20:40:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 20:50:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 21:00:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 21:10:00	-0.17	0	0	144	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
01/10/2020 18:40:00	7	1	50	5	0.5	100	100
01/10/2020 18:50:00	7	1	50	5	0.5	100	100
01/10/2020 19:00:00	7	1	50	5	0.5	100	100
01/10/2020 19:10:00	7	1	50	5	0.5	100	100
01/10/2020 19:20:00	7	1	50	5	0.5	100	100
01/10/2020 19:30:00	7	1	50	5	0.5	100	100
01/10/2020 19:40:00	7	1	50	5	0.5	100	100
01/10/2020 19:50:00	7	1	50	5	0.5	100	100
01/10/2020 20:00:00	7	1	50	5	0.5	100	100
01/10/2020 20:10:00	7	1	50	5	0.5	100	100
01/10/2020 20:20:00	7	1	50	5	0.5	100	100
01/10/2020 20:30:00	7	1	50	5	0.5	100	100
01/10/2020 20:40:00	7	1	50	5	0.5	100	100
01/10/2020 20:50:00	7	1	50	5	0.5	100	100
01/10/2020 21:00:00	7	1	50	5	0.5	100	100
01/10/2020 21:10:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
01/10/2020 18:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 18:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 19:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 19:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 19:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 19:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 19:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 19:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 20:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 20:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 20:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 20:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 20:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 20:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 21:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 21:10:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
01/10/2020 18:40:00	0	100	10	10	10	2	1
01/10/2020 18:50:00	0	100	10	10	10	2	1
01/10/2020 19:00:00	0	100	10	10	10	2	1
01/10/2020 19:10:00	0	100	10	10	10	2	1
01/10/2020 19:20:00	0	100	10	10	10	2	1
01/10/2020 19:30:00	0	100	10	10	10	2	1
01/10/2020 19:40:00	0	100	10	10	10	2	1
01/10/2020 19:50:00	0	100	10	10	10	2	1
01/10/2020 20:00:00	0	100	10	10	10	2	1
01/10/2020 20:10:00	0	100	10	10	10	2	1
01/10/2020 20:20:00	0	100	10	10	10	2	1
01/10/2020 20:30:00	0	100	10	10	10	2	1
01/10/2020 20:40:00	0	100	10	10	10	2	1
01/10/2020 20:50:00	0	100	10	10	10	2	1
01/10/2020 21:00:00	0	100	10	10	10	2	1
01/10/2020 21:10:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
01/10/2020 21:20:00	0	100	42.5	15	14	103	103
01/10/2020 21:30:00	0	100	42.4	15	14	103	103
01/10/2020 21:40:00	0	100	42.2	15	14	103	103
01/10/2020 21:50:00	0	100	42.1	15	14	103	103
01/10/2020 22:00:00	0	100	41.9	15	14	103	103
01/10/2020 22:10:00	0	100	41.8	15	14	103	103
01/10/2020 22:20:00	0	100	41.6	15	14	103	103
01/10/2020 22:30:00	0	100	41.5	15	14	103	103
01/10/2020 22:40:00	0	100	41.4	15	14	103	103
01/10/2020 22:50:00	0	100	41.2	15	14	103	103
01/10/2020 23:00:00	0	100	41.1	15	14	103	103
01/10/2020 23:10:00	0	100	41.0	15	14	103	103
01/10/2020 23:20:00	0	100	40.8	15	14	103	103
01/10/2020 23:30:00	0	100	40.7	15	14	103	103
01/10/2020 23:40:00	0	100	40.6	15	14	103	103
01/10/2020 23:50:00	0	100	40.4	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
01/10/2020 21:20:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 21:30:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 21:40:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 21:50:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 22:00:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 22:10:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 22:20:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 22:30:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 22:40:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 22:50:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 23:00:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 23:10:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 23:20:00	-0.17	0	0	144	0.20	37.0	100
01/10/2020 23:30:00	-0.17	0	0	145	0.20	37.0	100
01/10/2020 23:40:00	-0.17	0	0	145	0.20	37.0	100
01/10/2020 23:50:00	-0.16	0	0	145	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
01/10/2020 21:20:00	7	1	50	5	0.5	100	100
01/10/2020 21:30:00	7	1	50	5	0.5	100	100
01/10/2020 21:40:00	7	1	50	5	0.5	100	100
01/10/2020 21:50:00	7	1	50	5	0.5	100	100
01/10/2020 22:00:00	7	1	50	5	0.5	100	100
01/10/2020 22:10:00	7	1	50	5	0.5	100	100
01/10/2020 22:20:00	7	1	50	5	0.5	100	100
01/10/2020 22:30:00	7	1	50	5	0.5	100	100
01/10/2020 22:40:00	7	1	50	5	0.5	100	100
01/10/2020 22:50:00	7	1	50	5	0.5	100	100
01/10/2020 23:00:00	7	1	50	5	0.5	100	100
01/10/2020 23:10:00	7	1	50	5	0.5	100	100
01/10/2020 23:20:00	7	1	50	5	0.5	100	100
01/10/2020 23:30:00	7	1	50	5	0.5	100	100
01/10/2020 23:40:00	7	1	50	5	0.5	100	100
01/10/2020 23:50:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
01/10/2020 21:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 21:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 21:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 21:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 22:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 22:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 22:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 22:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 22:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 22:50:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 23:00:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 23:10:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 23:20:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 23:30:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 23:40:00	725	10	20	0.30	1.00	0.30	0.10
01/10/2020 23:50:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
01/10/2020 21:20:00	0	100	10	10	10	2	1
01/10/2020 21:30:00	0	100	10	10	10	2	1
01/10/2020 21:40:00	0	100	10	10	10	2	1
01/10/2020 21:50:00	0	100	10	10	10	2	1
01/10/2020 22:00:00	0	100	10	10	10	2	1
01/10/2020 22:10:00	0	100	10	10	10	2	1
01/10/2020 22:20:00	0	100	10	10	10	2	1
01/10/2020 22:30:00	0	100	10	10	10	2	1
01/10/2020 22:40:00	0	100	10	10	10	2	1
01/10/2020 22:50:00	0	100	10	10	10	2	1
01/10/2020 23:00:00	0	100	10	10	10	2	1
01/10/2020 23:10:00	0	100	10	10	10	2	1
01/10/2020 23:20:00	0	100	10	10	10	2	1
01/10/2020 23:30:00	0	100	10	10	10	2	1
01/10/2020 23:40:00	0	100	10	10	10	2	1
01/10/2020 23:50:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
02/10/2020 00:00:00	0	100	40.3	15	14	103	103
02/10/2020 00:10:00	0	100	40.2	15	14	103	103
02/10/2020 00:20:00	0	100	40.1	15	14	103	103
02/10/2020 00:30:00	0	100	40.0	15	14	103	103
02/10/2020 00:40:00	0	100	39.9	15	14	103	103
02/10/2020 00:50:00	0	100	39.8	15	14	103	103
02/10/2020 01:00:00	0	100	39.7	15	14	103	103
02/10/2020 01:10:00	0	100	39.5	15	14	103	103
02/10/2020 01:20:00	0	100	39.4	15	14	103	103
02/10/2020 01:30:00	0	100	39.3	15	14	103	103
02/10/2020 01:40:00	0	100	39.2	15	14	103	103
02/10/2020 01:50:00	0	100	39.1	15	14	103	103
02/10/2020 02:00:00	0	100	39.0	15	14	103	103
02/10/2020 02:10:00	0	100	38.9	15	14	103	103
02/10/2020 02:20:00	0	100	38.8	15	14	103	103
02/10/2020 02:30:00	0	100	38.7	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
02/10/2020 00:00:00	-0.16	0	0	145	0.20	37.0	100
02/10/2020 00:10:00	-0.16	0	0	145	0.20	37.0	100
02/10/2020 00:20:00	-0.16	0	0	145	0.20	37.0	100
02/10/2020 00:30:00	-0.16	0	0	145	0.20	37.0	100
02/10/2020 00:40:00	-0.16	0	0	145	0.20	37.0	100
02/10/2020 00:50:00	-0.16	0	0	145	0.20	37.0	100
02/10/2020 01:00:00	-0.16	0	0	145	0.20	37.0	100
02/10/2020 01:10:00	-0.16	0	0	145	0.20	37.0	100
02/10/2020 01:20:00	-0.16	0	0	145	0.20	37.0	100
02/10/2020 01:30:00	-0.16	0	0	145	0.20	37.0	100
02/10/2020 01:40:00	-0.16	0	0	145	0.20	37.0	100
02/10/2020 01:50:00	-0.16	0	0	145	0.20	37.0	100
02/10/2020 02:00:00	-0.16	0	0	145	0.20	37.0	100
02/10/2020 02:10:00	-0.16	0	0	145	0.20	37.0	100
02/10/2020 02:20:00	-0.16	0	0	145	0.20	37.0	100
02/10/2020 02:30:00	-0.16	0	0	145	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
02/10/2020 00:00:00	7	1	50	5	0.5	100	100
02/10/2020 00:10:00	7	1	50	5	0.5	100	100
02/10/2020 00:20:00	7	1	50	5	0.5	100	100
02/10/2020 00:30:00	7	1	50	5	0.5	100	100
02/10/2020 00:40:00	7	1	50	5	0.5	100	100
02/10/2020 00:50:00	7	1	50	5	0.5	100	100
02/10/2020 01:00:00	7	1	50	5	0.5	100	100
02/10/2020 01:10:00	7	1	50	5	0.5	100	100
02/10/2020 01:20:00	7	1	50	5	0.5	100	100
02/10/2020 01:30:00	7	1	50	5	0.5	100	100
02/10/2020 01:40:00	7	1	50	5	0.5	100	100
02/10/2020 01:50:00	7	1	50	5	0.5	100	100
02/10/2020 02:00:00	7	1	50	5	0.5	100	100
02/10/2020 02:10:00	7	1	50	5	0.5	100	100
02/10/2020 02:20:00	7	1	50	5	0.5	100	100
02/10/2020 02:30:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
02/10/2020 00:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 00:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 00:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 00:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 00:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 00:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 01:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 01:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 01:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 01:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 01:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 01:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 02:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 02:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 02:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 02:30:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC- 202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC- 202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC- 202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC- 202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR- 205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR- 203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR- 204_SP_FM.CV
02/10/2020 00:00:00	0	100	10	10	10	2	1
02/10/2020 00:10:00	0	100	10	10	10	2	1
02/10/2020 00:20:00	0	100	10	10	10	2	1
02/10/2020 00:30:00	0	100	10	10	10	2	1
02/10/2020 00:40:00	0	100	10	10	10	2	1
02/10/2020 00:50:00	0	100	10	10	10	2	1
02/10/2020 01:00:00	0	100	10	10	10	2	1
02/10/2020 01:10:00	0	100	10	10	10	2	1
02/10/2020 01:20:00	0	100	10	10	10	2	1
02/10/2020 01:30:00	0	100	10	10	10	2	1
02/10/2020 01:40:00	0	100	10	10	10	2	1
02/10/2020 01:50:00	0	100	10	10	10	2	1
02/10/2020 02:00:00	0	100	10	10	10	2	1
02/10/2020 02:10:00	0	100	10	10	10	2	1
02/10/2020 02:20:00	0	100	10	10	10	2	1
02/10/2020 02:30:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
02/10/2020 02:40:00	0	100	38.6	15	14	103	103
02/10/2020 02:50:00	0	100	38.6	15	14	103	103
02/10/2020 03:00:00	0	100	38.5	15	14	103	103
02/10/2020 03:10:00	0	100	38.4	15	14	103	103
02/10/2020 03:20:00	0	100	38.3	15	14	103	103
02/10/2020 03:30:00	0	100	38.2	15	14	103	103
02/10/2020 03:40:00	0	100	38.1	15	14	103	103
02/10/2020 03:50:00	0	100	38.0	15	14	103	103
02/10/2020 04:00:00	0	100	37.9	15	14	103	103
02/10/2020 04:10:00	0	100	37.8	15	14	103	103
02/10/2020 04:20:00	0	100	37.7	15	14	103	103
02/10/2020 04:30:00	0	100	37.7	15	14	103	103
02/10/2020 04:40:00	0	100	37.6	15	14	103	103
02/10/2020 04:50:00	0	100	37.5	15	14	103	103
02/10/2020 05:00:00	0	100	37.4	15	14	103	103
02/10/2020 05:10:00	0	100	37.4	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
02/10/2020 02:40:00	-0.15	0	0	145	0.20	37.0	100
02/10/2020 02:50:00	-0.15	0	0	145	0.20	37.0	100
02/10/2020 03:00:00	-0.15	0	0	145	0.20	37.0	100
02/10/2020 03:10:00	-0.15	0	0	144	0.20	37.0	100
02/10/2020 03:20:00	-0.15	0	0	143	0.20	37.0	100
02/10/2020 03:30:00	-0.15	0	0	145	0.20	37.0	100
02/10/2020 03:40:00	-0.15	0	0	145	0.20	37.0	100
02/10/2020 03:50:00	-0.15	0	0	145	0.20	37.0	100
02/10/2020 04:00:00	-0.15	0	0	145	0.20	37.0	100
02/10/2020 04:10:00	-0.15	0	0	145	0.20	37.0	100
02/10/2020 04:20:00	-0.15	0	0	144	0.20	37.0	100
02/10/2020 04:30:00	-0.15	0	0	144	0.20	37.0	100
02/10/2020 04:40:00	-0.15	0	0	144	0.20	37.0	100
02/10/2020 04:50:00	-0.15	0	0	144	0.20	37.0	100
02/10/2020 05:00:00	-0.15	0	0	144	0.20	37.0	100
02/10/2020 05:10:00	-0.15	0	0	144	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
02/10/2020 02:40:00	7	1	50	5	0.5	100	100
02/10/2020 02:50:00	7	1	50	5	0.5	100	100
02/10/2020 03:00:00	7	1	50	5	0.5	100	100
02/10/2020 03:10:00	7	1	50	5	0.5	100	100
02/10/2020 03:20:00	7	1	50	5	0.5	100	100
02/10/2020 03:30:00	7	1	50	5	0.5	100	100
02/10/2020 03:40:00	7	1	50	5	0.5	100	100
02/10/2020 03:50:00	7	1	50	5	0.5	100	100
02/10/2020 04:00:00	7	1	50	5	0.5	100	100
02/10/2020 04:10:00	7	1	50	5	0.5	100	100
02/10/2020 04:20:00	7	1	50	5	0.5	100	100
02/10/2020 04:30:00	7	1	50	5	0.5	100	100
02/10/2020 04:40:00	7	1	50	5	0.5	100	100
02/10/2020 04:50:00	7	1	50	5	0.5	100	100
02/10/2020 05:00:00	7	1	50	5	0.5	100	100
02/10/2020 05:10:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
02/10/2020 02:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 02:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 03:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 03:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 03:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 03:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 03:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 03:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 04:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 04:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 04:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 04:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 04:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 04:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 05:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 05:10:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC- 202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC- 202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC- 202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC- 202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR- 205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR- 203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR- 204_SP_FM.CV
02/10/2020 02:40:00	0	100	10	10	10	2	1
02/10/2020 02:50:00	0	100	10	10	10	2	1
02/10/2020 03:00:00	0	100	10	10	10	2	1
02/10/2020 03:10:00	0	100	10	10	10	2	1
02/10/2020 03:20:00	0	100	10	10	10	2	1
02/10/2020 03:30:00	0	100	10	10	10	2	1
02/10/2020 03:40:00	0	100	10	10	10	2	1
02/10/2020 03:50:00	0	100	10	10	10	2	1
02/10/2020 04:00:00	0	100	10	10	10	2	1
02/10/2020 04:10:00	0	100	10	10	10	2	1
02/10/2020 04:20:00	0	100	10	10	10	2	1
02/10/2020 04:30:00	0	100	10	10	10	2	1
02/10/2020 04:40:00	0	100	10	10	10	2	1
02/10/2020 04:50:00	0	100	10	10	10	2	1
02/10/2020 05:00:00	0	100	10	10	10	2	1
02/10/2020 05:10:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
02/10/2020 05:20:00	0	100	37.3	15	14	103	103
02/10/2020 05:30:00	0	100	37.2	15	14	103	103
02/10/2020 05:40:00	0	100	37.1	15	14	103	103
02/10/2020 05:50:00	0	100	37.0	15	14	103	103
02/10/2020 06:00:00	0	100	37.0	15	14	103	103
02/10/2020 06:10:00	0	100	36.9	15	14	103	103
02/10/2020 06:20:00	0	100	36.8	15	14	103	103
02/10/2020 06:30:00	0	100	36.8	15	14	103	103
02/10/2020 06:40:00	0	100	36.7	15	14	103	103
02/10/2020 06:50:00	0	100	36.6	15	14	103	103
02/10/2020 07:00:00	0	100	36.5	15	14	103	103
02/10/2020 07:10:00	0	100	36.5	15	14	103	103
02/10/2020 07:20:00	0	100	36.4	15	14	103	103
02/10/2020 07:30:00	0	100	36.3	15	14	103	103
02/10/2020 07:40:00	0	100	36.3	15	14	103	103
02/10/2020 07:50:00	0	100	36.2	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
02/10/2020 05:20:00	-0.15	0	0	144	0.20	37.0	100
02/10/2020 05:30:00	-0.15	0	0	144	0.20	37.0	100
02/10/2020 05:40:00	-0.15	0	0	144	0.20	37.0	100
02/10/2020 05:50:00	-0.15	0	0	145	0.20	37.0	100
02/10/2020 06:00:00	-0.15	0	0	145	0.20	37.0	100
02/10/2020 06:10:00	-0.15	0	0	145	0.20	37.0	100
02/10/2020 06:20:00	-0.15	0	0	145	0.20	37.0	100
02/10/2020 06:30:00	-0.15	0	0	145	0.20	37.0	100
02/10/2020 06:40:00	-0.15	0	0	145	0.20	37.0	100
02/10/2020 06:50:00	-0.15	0	0	145	0.20	37.0	100
02/10/2020 07:00:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 07:10:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 07:20:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 07:30:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 07:40:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 07:50:00	-0.14	0	0	145	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
02/10/2020 05:20:00	7	1	50	5	0.5	100	100
02/10/2020 05:30:00	7	1	50	5	0.5	100	100
02/10/2020 05:40:00	7	1	50	5	0.5	100	100
02/10/2020 05:50:00	7	1	50	5	0.5	100	100
02/10/2020 06:00:00	7	1	50	5	0.5	100	100
02/10/2020 06:10:00	7	1	50	5	0.5	100	100
02/10/2020 06:20:00	7	1	50	5	0.5	100	100
02/10/2020 06:30:00	7	1	50	5	0.5	100	100
02/10/2020 06:40:00	7	1	50	5	0.5	100	100
02/10/2020 06:50:00	7	1	50	5	0.5	100	100
02/10/2020 07:00:00	7	1	50	5	0.5	100	100
02/10/2020 07:10:00	7	1	50	5	0.5	100	100
02/10/2020 07:20:00	7	1	50	5	0.5	100	100
02/10/2020 07:30:00	7	1	50	5	0.5	100	100
02/10/2020 07:40:00	7	1	50	5	0.5	100	100
02/10/2020 07:50:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
02/10/2020 05:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 05:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 05:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 05:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 06:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 06:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 06:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 06:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 06:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 06:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 07:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 07:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 07:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 07:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 07:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 07:50:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
02/10/2020 05:20:00	0	100	10	10	10	2	1
02/10/2020 05:30:00	0	100	10	10	10	2	1
02/10/2020 05:40:00	0	100	10	10	10	2	1
02/10/2020 05:50:00	0	100	10	10	10	2	1
02/10/2020 06:00:00	0	100	10	10	10	2	1
02/10/2020 06:10:00	0	100	10	10	10	2	1
02/10/2020 06:20:00	0	100	10	10	10	2	1
02/10/2020 06:30:00	0	100	10	10	10	2	1
02/10/2020 06:40:00	0	100	10	10	10	2	1
02/10/2020 06:50:00	0	100	10	10	10	2	1
02/10/2020 07:00:00	0	100	10	10	10	2	1
02/10/2020 07:10:00	0	100	10	10	10	2	1
02/10/2020 07:20:00	0	100	10	10	10	2	1
02/10/2020 07:30:00	0	100	10	10	10	2	1
02/10/2020 07:40:00	0	100	10	10	10	2	1
02/10/2020 07:50:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
02/10/2020 08:00:00	0	100	36.1	15	14	103	103
02/10/2020 08:10:00	0	100	36.0	15	14	103	103
02/10/2020 08:20:00	0	100	36.0	15	14	103	103
02/10/2020 08:30:00	0	100	35.9	15	14	103	103
02/10/2020 08:40:00	0	100	35.8	15	14	103	103
02/10/2020 08:50:00	0	100	35.8	15	14	103	103
02/10/2020 09:00:00	0	100	35.7	15	14	103	103
02/10/2020 09:10:00	0	100	35.6	15	14	103	103
02/10/2020 09:20:00	0	100	35.6	15	14	103	103
02/10/2020 09:30:00	0	100	35.5	15	14	103	103
02/10/2020 09:40:00	0	100	35.5	15	14	103	103
02/10/2020 09:50:00	0	100	35.4	15	14	103	103
02/10/2020 10:00:00	0	100	35.3	15	14	103	103
02/10/2020 10:10:00	0	100	35.3	15	14	103	103
02/10/2020 10:20:00	0	100	35.2	15	14	103	103
02/10/2020 10:30:00	0	100	35.1	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
02/10/2020 08:00:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 08:10:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 08:20:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 08:30:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 08:40:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 08:50:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 09:00:00	-0.14	0	0	144	0.20	37.0	100
02/10/2020 09:10:00	-0.14	0	0	144	0.20	37.0	100
02/10/2020 09:20:00	-0.14	0	0	144	0.20	37.0	100
02/10/2020 09:30:00	-0.14	0	0	144	0.20	37.0	100
02/10/2020 09:40:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 09:50:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 10:00:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 10:10:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 10:20:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 10:30:00	-0.14	0	0	145	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
02/10/2020 08:00:00	7	1	50	5	0.5	100	100
02/10/2020 08:10:00	7	1	50	5	0.5	100	100
02/10/2020 08:20:00	7	1	50	5	0.5	100	100
02/10/2020 08:30:00	7	1	50	5	0.5	100	100
02/10/2020 08:40:00	7	1	50	5	0.5	100	100
02/10/2020 08:50:00	7	1	50	5	0.5	100	100
02/10/2020 09:00:00	7	1	50	5	0.5	100	100
02/10/2020 09:10:00	7	1	50	5	0.5	100	100
02/10/2020 09:20:00	7	1	50	5	0.5	100	100
02/10/2020 09:30:00	7	1	50	5	0.5	100	100
02/10/2020 09:40:00	7	1	50	5	0.5	100	100
02/10/2020 09:50:00	7	1	50	5	0.5	100	100
02/10/2020 10:00:00	7	1	50	5	0.5	100	100
02/10/2020 10:10:00	7	1	50	5	0.5	100	100
02/10/2020 10:20:00	7	1	50	5	0.5	100	100
02/10/2020 10:30:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
02/10/2020 08:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 08:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 08:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 08:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 08:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 08:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 09:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 09:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 09:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 09:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 09:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 09:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 10:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 10:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 10:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 10:30:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
02/10/2020 08:00:00	0	100	10	10	10	2	1
02/10/2020 08:10:00	0	100	10	10	10	2	1
02/10/2020 08:20:00	0	100	10	10	10	2	1
02/10/2020 08:30:00	0	100	10	10	10	2	1
02/10/2020 08:40:00	0	100	10	10	10	2	1
02/10/2020 08:50:00	0	100	10	10	10	2	1
02/10/2020 09:00:00	0	100	10	10	10	2	1
02/10/2020 09:10:00	0	100	10	10	10	2	1
02/10/2020 09:20:00	0	100	10	10	10	2	1
02/10/2020 09:30:00	0	100	10	10	10	2	1
02/10/2020 09:40:00	0	100	10	10	10	2	1
02/10/2020 09:50:00	0	100	10	10	10	2	1
02/10/2020 10:00:00	0	100	10	10	10	2	1
02/10/2020 10:10:00	0	100	10	10	10	2	1
02/10/2020 10:20:00	0	100	10	10	10	2	1
02/10/2020 10:30:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
02/10/2020 10:40:00	0	100	35.1	15	14	103	103
02/10/2020 10:50:00	0	100	35.0	15	14	103	103
02/10/2020 11:00:00	0	100	35.0	15	14	103	103
02/10/2020 11:10:00	0	100	34.9	15	14	103	103
02/10/2020 11:20:00	0	100	34.8	15	14	103	103
02/10/2020 11:30:00	0	100	34.8	15	14	103	103
02/10/2020 11:40:00	0	100	34.7	15	14	103	103
02/10/2020 11:50:00	0	100	34.7	15	14	103	103
02/10/2020 12:00:00	0	100	34.6	15	14	103	103
02/10/2020 12:10:00	0	100	34.6	15	14	103	103
02/10/2020 12:20:00	0	100	34.5	15	14	103	103
02/10/2020 12:30:00	0	100	34.5	15	14	103	103
02/10/2020 12:40:00	0	100	34.4	15	14	103	103
02/10/2020 12:50:00	0	100	34.3	15	14	103	103
02/10/2020 13:00:00	0	100	34.3	15	14	103	103
02/10/2020 13:10:00	0	100	34.2	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
02/10/2020 10:40:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 10:50:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 11:00:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 11:10:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 11:20:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 11:30:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 11:40:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 11:50:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 12:00:00	-0.14	0	0	145	0.20	37.0	100
02/10/2020 12:10:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 12:20:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 12:30:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 12:40:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 12:50:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 13:00:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 13:10:00	-0.13	0	0	145	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
02/10/2020 10:40:00	7	1	50	5	0.5	100	100
02/10/2020 10:50:00	7	1	50	5	0.5	100	100
02/10/2020 11:00:00	7	1	50	5	0.5	100	100
02/10/2020 11:10:00	7	1	50	5	0.5	100	100
02/10/2020 11:20:00	7	1	50	5	0.5	100	100
02/10/2020 11:30:00	7	1	50	5	0.5	100	100
02/10/2020 11:40:00	7	1	50	5	0.5	100	100
02/10/2020 11:50:00	7	1	50	5	0.5	100	100
02/10/2020 12:00:00	7	1	50	5	0.5	100	100
02/10/2020 12:10:00	7	1	50	5	0.5	100	100
02/10/2020 12:20:00	7	1	50	5	0.5	100	100
02/10/2020 12:30:00	7	1	50	5	0.5	100	100
02/10/2020 12:40:00	7	1	50	5	0.5	100	100
02/10/2020 12:50:00	7	1	50	5	0.5	100	100
02/10/2020 13:00:00	7	1	50	5	0.5	100	100
02/10/2020 13:10:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
02/10/2020 10:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 10:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 11:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 11:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 11:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 11:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 11:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 11:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 12:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 12:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 12:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 12:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 12:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 12:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 13:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 13:10:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
02/10/2020 10:40:00	0	100	10	10	10	2	1
02/10/2020 10:50:00	0	100	10	10	10	2	1
02/10/2020 11:00:00	0	100	10	10	10	2	1
02/10/2020 11:10:00	0	100	10	10	10	2	1
02/10/2020 11:20:00	0	100	10	10	10	2	1
02/10/2020 11:30:00	0	100	10	10	10	2	1
02/10/2020 11:40:00	0	100	10	10	10	2	1
02/10/2020 11:50:00	0	100	10	10	10	2	1
02/10/2020 12:00:00	0	100	10	10	10	2	1
02/10/2020 12:10:00	0	100	10	10	10	2	1
02/10/2020 12:20:00	0	100	10	10	10	2	1
02/10/2020 12:30:00	0	100	10	10	10	2	1
02/10/2020 12:40:00	0	100	10	10	10	2	1
02/10/2020 12:50:00	0	100	10	10	10	2	1
02/10/2020 13:00:00	0	100	10	10	10	2	1
02/10/2020 13:10:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
02/10/2020 13:20:00	0	100	34.2	15	14	103	103
02/10/2020 13:30:00	0	100	34.1	15	14	103	103
02/10/2020 13:40:00	0	100	34.1	15	14	103	103
02/10/2020 13:50:00	0	100	34.1	15	14	103	103
02/10/2020 14:00:00	0	100	34.0	15	14	103	103
02/10/2020 14:10:00	0	100	34.0	15	14	103	103
02/10/2020 14:20:00	0	100	33.9	15	14	103	103
02/10/2020 14:30:00	0	100	33.8	15	14	103	103
02/10/2020 14:40:00	0	100	33.8	15	14	103	103
02/10/2020 14:50:00	0	100	33.8	15	14	103	103
02/10/2020 15:00:00	0	100	33.7	15	14	103	103
02/10/2020 15:10:00	0	100	33.7	15	14	103	103
02/10/2020 15:20:00	0	100	33.6	15	14	103	103
02/10/2020 15:30:00	0	100	33.6	15	14	103	103
02/10/2020 15:40:00	0	100	33.5	15	14	103	103
02/10/2020 15:50:00	0	100	33.5	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
02/10/2020 13:20:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 13:30:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 13:40:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 13:50:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 14:00:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 14:10:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 14:20:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 14:30:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 14:40:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 14:50:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 15:00:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 15:10:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 15:20:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 15:30:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 15:40:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 15:50:00	-0.13	0	0	145	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
02/10/2020 13:20:00	7	1	50	5	0.5	100	100
02/10/2020 13:30:00	7	1	50	5	0.5	100	100
02/10/2020 13:40:00	7	1	50	5	0.5	100	100
02/10/2020 13:50:00	7	1	50	5	0.5	100	100
02/10/2020 14:00:00	7	1	50	5	0.5	100	100
02/10/2020 14:10:00	7	1	50	5	0.5	100	100
02/10/2020 14:20:00	7	1	50	5	0.5	100	100
02/10/2020 14:30:00	7	1	50	5	0.5	100	100
02/10/2020 14:40:00	7	1	50	5	0.5	100	100
02/10/2020 14:50:00	7	1	50	5	0.5	100	100
02/10/2020 15:00:00	7	1	50	5	0.5	100	100
02/10/2020 15:10:00	7	1	50	5	0.5	100	100
02/10/2020 15:20:00	7	1	50	5	0.5	100	100
02/10/2020 15:30:00	7	1	50	5	0.5	100	100
02/10/2020 15:40:00	7	1	50	5	0.5	100	100
02/10/2020 15:50:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
02/10/2020 13:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 13:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 13:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 13:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 14:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 14:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 14:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 14:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 14:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 14:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 15:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 15:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 15:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 15:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 15:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 15:50:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
02/10/2020 13:20:00	0	100	10	10	10	2	1
02/10/2020 13:30:00	0	100	10	10	10	2	1
02/10/2020 13:40:00	0	100	10	10	10	2	1
02/10/2020 13:50:00	0	100	10	10	10	2	1
02/10/2020 14:00:00	0	100	10	10	10	2	1
02/10/2020 14:10:00	0	100	10	10	10	2	1
02/10/2020 14:20:00	0	100	10	10	10	2	1
02/10/2020 14:30:00	0	100	10	10	10	2	1
02/10/2020 14:40:00	0	100	10	10	10	2	1
02/10/2020 14:50:00	0	100	10	10	10	2	1
02/10/2020 15:00:00	0	100	10	10	10	2	1
02/10/2020 15:10:00	0	100	10	10	10	2	1
02/10/2020 15:20:00	0	100	10	10	10	2	1
02/10/2020 15:30:00	0	100	10	10	10	2	1
02/10/2020 15:40:00	0	100	10	10	10	2	1
02/10/2020 15:50:00	0	100	10	10	10	2	1

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:00		Page 526 of 905

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
02/10/2020 16:00:00	0	100	33.5	15	14	103	103
02/10/2020 16:10:00	0	100	33.4	15	14	103	103
02/10/2020 16:20:00	0	100	33.4	15	14	103	103
02/10/2020 16:30:00	0	100	33.3	15	14	103	103
02/10/2020 16:40:00	0	100	33.3	15	14	103	103
02/10/2020 16:50:00	0	100	33.2	15	14	103	103
02/10/2020 17:00:00	0	100	33.2	15	14	103	103
02/10/2020 17:10:00	0	100	33.2	15	14	103	103
02/10/2020 17:20:00	0	100	33.1	15	14	103	103
02/10/2020 17:30:00	0	100	33.1	15	14	103	103
02/10/2020 17:40:00	0	100	33.0	15	14	103	103
02/10/2020 17:50:00	0	100	33.0	15	14	103	103
02/10/2020 18:00:00	0	100	33.0	15	14	103	103
02/10/2020 18:10:00	0	100	32.9	15	14	103	103
02/10/2020 18:20:00	0	100	32.9	15	14	103	103
02/10/2020 18:30:00	0	100	32.9	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
02/10/2020 16:00:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 16:10:00	-0.13	0	0	145	0.20	37.0	100
02/10/2020 16:20:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 16:30:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 16:40:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 16:50:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 17:00:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 17:10:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 17:20:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 17:30:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 17:40:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 17:50:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 18:00:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 18:10:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 18:20:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 18:30:00	-0.12	0	0	145	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
02/10/2020 16:00:00	7	1	50	5	0.5	100	100
02/10/2020 16:10:00	7	1	50	5	0.5	100	100
02/10/2020 16:20:00	7	1	50	5	0.5	100	100
02/10/2020 16:30:00	7	1	50	5	0.5	100	100
02/10/2020 16:40:00	7	1	50	5	0.5	100	100
02/10/2020 16:50:00	7	1	50	5	0.5	100	100
02/10/2020 17:00:00	7	1	50	5	0.5	100	100
02/10/2020 17:10:00	7	1	50	5	0.5	100	100
02/10/2020 17:20:00	7	1	50	5	0.5	100	100
02/10/2020 17:30:00	7	1	50	5	0.5	100	100
02/10/2020 17:40:00	7	1	50	5	0.5	100	100
02/10/2020 17:50:00	7	1	50	5	0.5	100	100
02/10/2020 18:00:00	7	1	50	5	0.5	100	100
02/10/2020 18:10:00	7	1	50	5	0.5	100	100
02/10/2020 18:20:00	7	1	50	5	0.5	100	100
02/10/2020 18:30:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
02/10/2020 16:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 16:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 16:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 16:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 16:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 16:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 17:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 17:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 17:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 17:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 17:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 17:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 18:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 18:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 18:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 18:30:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
02/10/2020 16:00:00	0	100	10	10	10	2	1
02/10/2020 16:10:00	0	100	10	10	10	2	1
02/10/2020 16:20:00	0	100	10	10	10	2	1
02/10/2020 16:30:00	0	100	10	10	10	2	1
02/10/2020 16:40:00	0	100	10	10	10	2	1
02/10/2020 16:50:00	0	100	10	10	10	2	1
02/10/2020 17:00:00	0	100	10	10	10	2	1
02/10/2020 17:10:00	0	100	10	10	10	2	1
02/10/2020 17:20:00	0	100	10	10	10	2	1
02/10/2020 17:30:00	0	100	10	10	10	2	1
02/10/2020 17:40:00	0	100	10	10	10	2	1
02/10/2020 17:50:00	0	100	10	10	10	2	1
02/10/2020 18:00:00	0	100	10	10	10	2	1
02/10/2020 18:10:00	0	100	10	10	10	2	1
02/10/2020 18:20:00	0	100	10	10	10	2	1
02/10/2020 18:30:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
02/10/2020 18:40:00	0	100	32.8	15	14	103	103
02/10/2020 18:50:00	0	100	32.8	15	14	103	103
02/10/2020 19:00:00	0	100	32.7	15	14	103	103
02/10/2020 19:10:00	0	100	32.7	15	14	103	103
02/10/2020 19:20:00	0	100	32.7	15	14	103	103
02/10/2020 19:30:00	0	100	32.6	15	14	103	103
02/10/2020 19:40:00	0	100	32.6	15	14	103	103
02/10/2020 19:50:00	0	100	32.5	15	14	103	103
02/10/2020 20:00:00	0	100	32.5	15	14	103	103
02/10/2020 20:10:00	0	100	32.5	15	14	103	103
02/10/2020 20:20:00	0	100	32.4	15	14	103	103
02/10/2020 20:30:00	0	100	32.4	15	14	103	103
02/10/2020 20:40:00	0	100	32.4	15	14	103	103
02/10/2020 20:50:00	0	100	32.4	15	14	103	103
02/10/2020 21:00:00	0	100	32.3	15	14	103	103
02/10/2020 21:10:00	0	100	32.3	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
02/10/2020 18:40:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 18:50:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 19:00:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 19:10:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 19:20:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 19:30:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 19:40:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 19:50:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 20:00:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 20:10:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 20:20:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 20:30:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 20:40:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 20:50:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 21:00:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 21:10:00	-0.12	0	0	145	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
02/10/2020 18:40:00	7	1	50	5	0.5	100	100
02/10/2020 18:50:00	7	1	50	5	0.5	100	100
02/10/2020 19:00:00	7	1	50	5	0.5	100	100
02/10/2020 19:10:00	7	1	50	5	0.5	100	100
02/10/2020 19:20:00	7	1	50	5	0.5	100	100
02/10/2020 19:30:00	7	1	50	5	0.5	100	100
02/10/2020 19:40:00	7	1	50	5	0.5	100	100
02/10/2020 19:50:00	7	1	50	5	0.5	100	100
02/10/2020 20:00:00	7	1	50	5	0.5	100	100
02/10/2020 20:10:00	7	1	50	5	0.5	100	100
02/10/2020 20:20:00	7	1	50	5	0.5	100	100
02/10/2020 20:30:00	7	1	50	5	0.5	100	100
02/10/2020 20:40:00	7	1	50	5	0.5	100	100
02/10/2020 20:50:00	7	1	50	5	0.5	100	100
02/10/2020 21:00:00	7	1	50	5	0.5	100	100
02/10/2020 21:10:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
02/10/2020 18:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 18:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 19:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 19:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 19:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 19:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 19:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 19:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 20:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 20:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 20:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 20:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 20:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 20:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 21:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 21:10:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC- 202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC- 202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC- 202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC- 202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR- 205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR- 203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR- 204_SP_FM.CV
02/10/2020 18:40:00	0	100	10	10	10	2	1
02/10/2020 18:50:00	0	100	10	10	10	2	1
02/10/2020 19:00:00	0	100	10	10	10	2	1
02/10/2020 19:10:00	0	100	10	10	10	2	1
02/10/2020 19:20:00	0	100	10	10	10	2	1
02/10/2020 19:30:00	0	100	10	10	10	2	1
02/10/2020 19:40:00	0	100	10	10	10	2	1
02/10/2020 19:50:00	0	100	10	10	10	2	1
02/10/2020 20:00:00	0	100	10	10	10	2	1
02/10/2020 20:10:00	0	100	10	10	10	2	1
02/10/2020 20:20:00	0	100	10	10	10	2	1
02/10/2020 20:30:00	0	100	10	10	10	2	1
02/10/2020 20:40:00	0	100	10	10	10	2	1
02/10/2020 20:50:00	0	100	10	10	10	2	1
02/10/2020 21:00:00	0	100	10	10	10	2	1
02/10/2020 21:10:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
02/10/2020 21:20:00	0	100	32.3	15	14	103	103
02/10/2020 21:30:00	0	100	32.2	15	14	103	103
02/10/2020 21:40:00	0	100	32.2	15	14	103	103
02/10/2020 21:50:00	0	100	32.2	15	14	103	103
02/10/2020 22:00:00	0	100	32.1	15	14	103	103
02/10/2020 22:10:00	0	100	32.1	15	14	103	103
02/10/2020 22:20:00	0	100	32.1	15	14	103	103
02/10/2020 22:30:00	0	100	32.0	15	14	103	103
02/10/2020 22:40:00	0	100	32.0	15	14	103	103
02/10/2020 22:50:00	0	100	32.0	15	14	103	103
02/10/2020 23:00:00	0	100	32.0	15	14	103	103
02/10/2020 23:10:00	0	100	31.9	15	14	103	103
02/10/2020 23:20:00	0	100	31.9	15	14	103	103
02/10/2020 23:30:00	0	100	31.9	15	14	103	103
02/10/2020 23:40:00	0	100	31.8	15	14	103	103
02/10/2020 23:50:00	0	100	31.8	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
02/10/2020 21:20:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 21:30:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 21:40:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 21:50:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 22:00:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 22:10:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 22:20:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 22:30:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 22:40:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 22:50:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 23:00:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 23:10:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 23:20:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 23:30:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 23:40:00	-0.12	0	0	145	0.20	37.0	100
02/10/2020 23:50:00	-0.12	0	0	145	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
02/10/2020 21:20:00	7	1	50	5	0.5	100	100
02/10/2020 21:30:00	7	1	50	5	0.5	100	100
02/10/2020 21:40:00	7	1	50	5	0.5	100	100
02/10/2020 21:50:00	7	1	50	5	0.5	100	100
02/10/2020 22:00:00	7	1	50	5	0.5	100	100
02/10/2020 22:10:00	7	1	50	5	0.5	100	100
02/10/2020 22:20:00	7	1	50	5	0.5	100	100
02/10/2020 22:30:00	7	1	50	5	0.5	100	100
02/10/2020 22:40:00	7	1	50	5	0.5	100	100
02/10/2020 22:50:00	7	1	50	5	0.5	100	100
02/10/2020 23:00:00	7	1	50	5	0.5	100	100
02/10/2020 23:10:00	7	1	50	5	0.5	100	100
02/10/2020 23:20:00	7	1	50	5	0.5	100	100
02/10/2020 23:30:00	7	1	50	5	0.5	100	100
02/10/2020 23:40:00	7	1	50	5	0.5	100	100
02/10/2020 23:50:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
02/10/2020 21:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 21:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 21:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 21:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 22:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 22:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 22:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 22:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 22:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 22:50:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 23:00:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 23:10:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 23:20:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 23:30:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 23:40:00	725	10	20	0.30	1.00	0.30	0.10
02/10/2020 23:50:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
02/10/2020 21:20:00	0	100	10	10	10	2	1
02/10/2020 21:30:00	0	100	10	10	10	2	1
02/10/2020 21:40:00	0	100	10	10	10	2	1
02/10/2020 21:50:00	0	100	10	10	10	2	1
02/10/2020 22:00:00	0	100	10	10	10	2	1
02/10/2020 22:10:00	0	100	10	10	10	2	1
02/10/2020 22:20:00	0	100	10	10	10	2	1
02/10/2020 22:30:00	0	100	10	10	10	2	1
02/10/2020 22:40:00	0	100	10	10	10	2	1
02/10/2020 22:50:00	0	100	10	10	10	2	1
02/10/2020 23:00:00	0	100	10	10	10	2	1
02/10/2020 23:10:00	0	100	10	10	10	2	1
02/10/2020 23:20:00	0	100	10	10	10	2	1
02/10/2020 23:30:00	0	100	10	10	10	2	1
02/10/2020 23:40:00	0	100	10	10	10	2	1
02/10/2020 23:50:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
03/10/2020 00:00:00	0	100	31.8	15	14	103	103
03/10/2020 00:10:00	0	100	31.7	15	14	103	103
03/10/2020 00:20:00	0	100	31.7	15	14	103	103
03/10/2020 00:30:00	0	100	31.7	15	14	103	103
03/10/2020 00:40:00	0	100	31.7	15	14	103	103
03/10/2020 00:50:00	0	100	31.6	15	14	103	103
03/10/2020 01:00:00	0	100	31.6	15	14	103	103
03/10/2020 01:10:00	0	100	31.6	15	14	103	103
03/10/2020 01:20:00	0	100	31.5	15	14	103	103
03/10/2020 01:30:00	0	100	31.5	15	14	103	103
03/10/2020 01:40:00	0	100	31.5	15	14	103	103
03/10/2020 01:50:00	0	100	31.5	15	14	103	103
03/10/2020 02:00:00	0	100	31.4	15	14	103	103
03/10/2020 02:10:00	0	100	31.4	15	14	103	103
03/10/2020 02:20:00	0	100	31.4	15	14	103	103
03/10/2020 02:30:00	0	100	31.4	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
03/10/2020 00:00:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 00:10:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 00:20:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 00:30:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 00:40:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 00:50:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 01:00:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 01:10:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 01:20:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 01:30:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 01:40:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 01:50:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 02:00:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 02:10:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 02:20:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 02:30:00	-0.11	0	0	145	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
03/10/2020 00:00:00	7	1	50	5	0.5	100	100
03/10/2020 00:10:00	7	1	50	5	0.5	100	100
03/10/2020 00:20:00	7	1	50	5	0.5	100	100
03/10/2020 00:30:00	7	1	50	5	0.5	100	100
03/10/2020 00:40:00	7	1	50	5	0.5	100	100
03/10/2020 00:50:00	7	1	50	5	0.5	100	100
03/10/2020 01:00:00	7	1	50	5	0.5	100	100
03/10/2020 01:10:00	7	1	50	5	0.5	100	100
03/10/2020 01:20:00	7	1	50	5	0.5	100	100
03/10/2020 01:30:00	7	1	50	5	0.5	100	100
03/10/2020 01:40:00	7	1	50	5	0.5	100	100
03/10/2020 01:50:00	7	1	50	5	0.5	100	100
03/10/2020 02:00:00	7	1	50	5	0.5	100	100
03/10/2020 02:10:00	7	1	50	5	0.5	100	100
03/10/2020 02:20:00	7	1	50	5	0.5	100	100
03/10/2020 02:30:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
03/10/2020 00:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 00:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 00:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 00:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 00:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 00:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 01:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 01:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 01:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 01:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 01:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 01:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 02:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 02:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 02:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 02:30:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
03/10/2020 00:00:00	0	100	10	10	10	2	1
03/10/2020 00:10:00	0	100	10	10	10	2	1
03/10/2020 00:20:00	0	100	10	10	10	2	1
03/10/2020 00:30:00	0	100	10	10	10	2	1
03/10/2020 00:40:00	0	100	10	10	10	2	1
03/10/2020 00:50:00	0	100	10	10	10	2	1
03/10/2020 01:00:00	0	100	10	10	10	2	1
03/10/2020 01:10:00	0	100	10	10	10	2	1
03/10/2020 01:20:00	0	100	10	10	10	2	1
03/10/2020 01:30:00	0	100	10	10	10	2	1
03/10/2020 01:40:00	0	100	10	10	10	2	1
03/10/2020 01:50:00	0	100	10	10	10	2	1
03/10/2020 02:00:00	0	100	10	10	10	2	1
03/10/2020 02:10:00	0	100	10	10	10	2	1
03/10/2020 02:20:00	0	100	10	10	10	2	1
03/10/2020 02:30:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
03/10/2020 02:40:00	0	100	31.3	15	14	103	103
03/10/2020 02:50:00	0	100	31.3	15	14	103	103
03/10/2020 03:00:00	0	100	31.3	15	14	103	103
03/10/2020 03:10:00	0	100	31.3	15	14	103	103
03/10/2020 03:20:00	0	100	31.3	15	14	103	103
03/10/2020 03:30:00	0	100	31.2	15	14	103	103
03/10/2020 03:40:00	0	100	31.2	15	14	103	103
03/10/2020 03:50:00	0	100	31.2	15	14	103	103
03/10/2020 04:00:00	0	100	31.1	15	14	103	103
03/10/2020 04:10:00	0	100	31.1	15	14	103	103
03/10/2020 04:20:00	0	100	31.1	15	14	103	103
03/10/2020 04:30:00	0	100	31.1	15	14	103	103
03/10/2020 04:40:00	0	100	31.1	15	14	103	103
03/10/2020 04:50:00	0	100	31.0	15	14	103	103
03/10/2020 05:00:00	0	100	31.0	15	14	103	103
03/10/2020 05:10:00	0	100	31.0	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
03/10/2020 02:40:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 02:50:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 03:00:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 03:10:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 03:20:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 03:30:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 03:40:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 03:50:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 04:00:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 04:10:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 04:20:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 04:30:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 04:40:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 04:50:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 05:00:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 05:10:00	-0.11	0	0	145	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
03/10/2020 02:40:00	7	1	50	5	0.5	100	100
03/10/2020 02:50:00	7	1	50	5	0.5	100	100
03/10/2020 03:00:00	7	1	50	5	0.5	100	100
03/10/2020 03:10:00	7	1	50	5	0.5	100	100
03/10/2020 03:20:00	7	1	50	5	0.5	100	100
03/10/2020 03:30:00	7	1	50	5	0.5	100	100
03/10/2020 03:40:00	7	1	50	5	0.5	100	100
03/10/2020 03:50:00	7	1	50	5	0.5	100	100
03/10/2020 04:00:00	7	1	50	5	0.5	100	100
03/10/2020 04:10:00	7	1	50	5	0.5	100	100
03/10/2020 04:20:00	7	1	50	5	0.5	100	100
03/10/2020 04:30:00	7	1	50	5	0.5	100	100
03/10/2020 04:40:00	7	1	50	5	0.5	100	100
03/10/2020 04:50:00	7	1	50	5	0.5	100	100
03/10/2020 05:00:00	7	1	50	5	0.5	100	100
03/10/2020 05:10:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
03/10/2020 02:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 02:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 03:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 03:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 03:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 03:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 03:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 03:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 04:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 04:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 04:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 04:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 04:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 04:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 05:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 05:10:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
03/10/2020 02:40:00	0	100	10	10	10	2	1
03/10/2020 02:50:00	0	100	10	10	10	2	1
03/10/2020 03:00:00	0	100	10	10	10	2	1
03/10/2020 03:10:00	0	100	10	10	10	2	1
03/10/2020 03:20:00	0	100	10	10	10	2	1
03/10/2020 03:30:00	0	100	10	10	10	2	1
03/10/2020 03:40:00	0	100	10	10	10	2	1
03/10/2020 03:50:00	0	100	10	10	10	2	1
03/10/2020 04:00:00	0	100	10	10	10	2	1
03/10/2020 04:10:00	0	100	10	10	10	2	1
03/10/2020 04:20:00	0	100	10	10	10	2	1
03/10/2020 04:30:00	0	100	10	10	10	2	1
03/10/2020 04:40:00	0	100	10	10	10	2	1
03/10/2020 04:50:00	0	100	10	10	10	2	1
03/10/2020 05:00:00	0	100	10	10	10	2	1
03/10/2020 05:10:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
03/10/2020 05:20:00	0	100	31.0	15	14	103	103
03/10/2020 05:30:00	0	100	30.9	15	14	103	103
03/10/2020 05:40:00	0	100	30.9	15	14	103	103
03/10/2020 05:50:00	0	100	30.9	15	14	103	103
03/10/2020 06:00:00	0	100	30.9	15	14	103	103
03/10/2020 06:10:00	0	100	30.8	15	14	103	103
03/10/2020 06:20:00	0	100	30.8	15	14	103	103
03/10/2020 06:30:00	0	100	30.8	15	14	103	103
03/10/2020 06:40:00	0	100	30.8	15	14	103	103
03/10/2020 06:50:00	0	100	30.7	15	14	103	103
03/10/2020 07:00:00	0	100	30.7	15	14	103	103
03/10/2020 07:10:00	0	100	30.7	15	14	103	103
03/10/2020 07:20:00	0	100	30.7	15	14	103	103
03/10/2020 07:30:00	0	100	30.6	15	14	103	103
03/10/2020 07:40:00	0	100	30.6	15	14	103	103
03/10/2020 07:50:00	0	100	30.6	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
03/10/2020 05:20:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 05:30:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 05:40:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 05:50:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 06:00:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 06:10:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 06:20:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 06:30:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 06:40:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 06:50:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 07:00:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 07:10:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 07:20:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 07:30:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 07:40:00	-0.11	0	0	145	0.20	37.0	100
03/10/2020 07:50:00	-0.11	0	0	145	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
03/10/2020 05:20:00	7	1	50	5	0.5	100	100
03/10/2020 05:30:00	7	1	50	5	0.5	100	100
03/10/2020 05:40:00	7	1	50	5	0.5	100	100
03/10/2020 05:50:00	7	1	50	5	0.5	100	100
03/10/2020 06:00:00	7	1	50	5	0.5	100	100
03/10/2020 06:10:00	7	1	50	5	0.5	100	100
03/10/2020 06:20:00	7	1	50	5	0.5	100	100
03/10/2020 06:30:00	7	1	50	5	0.5	100	100
03/10/2020 06:40:00	7	1	50	5	0.5	100	100
03/10/2020 06:50:00	7	1	50	5	0.5	100	100
03/10/2020 07:00:00	7	1	50	5	0.5	100	100
03/10/2020 07:10:00	7	1	50	5	0.5	100	100
03/10/2020 07:20:00	7	1	50	5	0.5	100	100
03/10/2020 07:30:00	7	1	50	5	0.5	100	100
03/10/2020 07:40:00	7	1	50	5	0.5	100	100
03/10/2020 07:50:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
03/10/2020 05:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 05:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 05:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 05:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 06:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 06:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 06:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 06:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 06:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 06:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 07:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 07:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 07:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 07:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 07:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 07:50:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
03/10/2020 05:20:00	0	100	10	10	10	2	1
03/10/2020 05:30:00	0	100	10	10	10	2	1
03/10/2020 05:40:00	0	100	10	10	10	2	1
03/10/2020 05:50:00	0	100	10	10	10	2	1
03/10/2020 06:00:00	0	100	10	10	10	2	1
03/10/2020 06:10:00	0	100	10	10	10	2	1
03/10/2020 06:20:00	0	100	10	10	10	2	1
03/10/2020 06:30:00	0	100	10	10	10	2	1
03/10/2020 06:40:00	0	100	10	10	10	2	1
03/10/2020 06:50:00	0	100	10	10	10	2	1
03/10/2020 07:00:00	0	100	10	10	10	2	1
03/10/2020 07:10:00	0	100	10	10	10	2	1
03/10/2020 07:20:00	0	100	10	10	10	2	1
03/10/2020 07:30:00	0	100	10	10	10	2	1
03/10/2020 07:40:00	0	100	10	10	10	2	1
03/10/2020 07:50:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
03/10/2020 08:00:00	0	100	30.6	15	14	103	103
03/10/2020 08:10:00	0	100	30.6	15	14	103	103
03/10/2020 08:20:00	0	100	30.5	15	14	103	103
03/10/2020 08:30:00	0	100	30.5	15	14	103	103
03/10/2020 08:40:00	0	100	30.5	15	14	103	103
03/10/2020 08:50:00	0	100	30.5	15	14	103	103
03/10/2020 09:00:00	0	100	30.5	15	14	103	103
03/10/2020 09:10:00	0	100	30.5	15	14	103	103
03/10/2020 09:20:00	0	100	30.4	15	14	103	103
03/10/2020 09:30:00	0	100	30.4	15	14	103	103
03/10/2020 09:40:00	0	100	30.4	15	14	103	103
03/10/2020 09:50:00	0	100	30.4	15	14	103	103
03/10/2020 10:00:00	0	100	30.4	15	14	103	103
03/10/2020 10:10:00	0	100	30.3	15	14	103	103
03/10/2020 10:20:00	0	100	30.3	15	14	103	103
03/10/2020 10:30:00	0	100	30.3	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
03/10/2020 08:00:00	-0.10	0	0	145	0.20	37.0	100
03/10/2020 08:10:00	-0.10	0	0	145	0.20	37.0	100
03/10/2020 08:20:00	-0.10	0	0	144	0.20	37.0	100
03/10/2020 08:30:00	-0.10	0	0	144	0.20	37.0	100
03/10/2020 08:40:00	-0.10	0	0	144	0.20	37.0	100
03/10/2020 08:50:00	-0.10	0	0	144	0.20	37.0	100
03/10/2020 09:00:00	-0.10	0	0	144	0.20	37.0	100
03/10/2020 09:10:00	-0.10	0	0	143	0.20	37.0	100
03/10/2020 09:20:00	-0.10	0	0	143	0.20	37.0	100
03/10/2020 09:30:00	-0.10	0	0	143	0.20	37.0	100
03/10/2020 09:40:00	-0.10	0	0	143	0.20	37.0	100
03/10/2020 09:50:00	-0.10	0	0	143	0.20	37.0	100
03/10/2020 10:00:00	-0.10	0	0	143	0.20	37.0	100
03/10/2020 10:10:00	-0.10	0	0	143	0.20	37.0	100
03/10/2020 10:20:00	-0.10	0	0	143	0.20	37.0	100
03/10/2020 10:30:00	-0.10	0	0	143	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
03/10/2020 08:00:00	7	1	50	5	0.5	100	100
03/10/2020 08:10:00	7	1	50	5	0.5	100	100
03/10/2020 08:20:00	7	1	50	5	0.5	100	100
03/10/2020 08:30:00	7	1	50	5	0.5	100	100
03/10/2020 08:40:00	7	1	50	5	0.5	100	100
03/10/2020 08:50:00	7	1	50	5	0.5	100	100
03/10/2020 09:00:00	7	1	50	5	0.5	100	100
03/10/2020 09:10:00	7	1	50	5	0.5	100	100
03/10/2020 09:20:00	7	1	50	5	0.5	100	100
03/10/2020 09:30:00	7	1	50	5	0.5	100	100
03/10/2020 09:40:00	7	1	50	5	0.5	100	100
03/10/2020 09:50:00	7	1	50	5	0.5	100	100
03/10/2020 10:00:00	7	1	50	5	0.5	100	100
03/10/2020 10:10:00	7	1	50	5	0.5	100	100
03/10/2020 10:20:00	7	1	50	5	0.5	100	100
03/10/2020 10:30:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
03/10/2020 08:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 08:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 08:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 08:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 08:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 08:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 09:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 09:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 09:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 09:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 09:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 09:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 10:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 10:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 10:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 10:30:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
03/10/2020 08:00:00	0	100	10	10	10	2	1
03/10/2020 08:10:00	0	100	10	10	10	2	1
03/10/2020 08:20:00	0	100	10	10	10	2	1
03/10/2020 08:30:00	0	100	10	10	10	2	1
03/10/2020 08:40:00	0	100	10	10	10	2	1
03/10/2020 08:50:00	0	100	10	10	10	2	1
03/10/2020 09:00:00	0	100	10	10	10	2	1
03/10/2020 09:10:00	0	100	10	10	10	2	1
03/10/2020 09:20:00	0	100	10	10	10	2	1
03/10/2020 09:30:00	0	100	10	10	10	2	1
03/10/2020 09:40:00	0	100	10	10	10	2	1
03/10/2020 09:50:00	0	100	10	10	10	2	1
03/10/2020 10:00:00	0	100	10	10	10	2	1
03/10/2020 10:10:00	0	100	10	10	10	2	1
03/10/2020 10:20:00	0	100	10	10	10	2	1
03/10/2020 10:30:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
03/10/2020 10:40:00	0	100	30.3	15	14	103	103
03/10/2020 10:50:00	0	100	30.3	15	14	103	103
03/10/2020 11:00:00	0	100	30.2	15	14	103	103
03/10/2020 11:10:00	0	100	30.0	15	14	103	103
03/10/2020 11:20:00	0	100	29.9	15	14	103	103
03/10/2020 11:30:00	0	100	29.8	15	14	103	103
03/10/2020 11:40:00	0	100	29.7	15	14	103	103
03/10/2020 11:50:00	0	100	29.5	15	14	103	103
03/10/2020 12:00:00	0	100	29.4	15	14	103	103
03/10/2020 12:10:00	0	100	29.3	15	14	103	103
03/10/2020 12:20:00	0	100	29.2	15	14	103	103
03/10/2020 12:30:00	0	100	29.0	15	14	103	103
03/10/2020 12:40:00	0	100	28.9	15	14	103	103
03/10/2020 12:50:00	0	100	28.8	15	14	103	103
03/10/2020 13:00:00	0	100	28.6	15	14	103	103
03/10/2020 13:10:00	0	100	28.5	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
03/10/2020 10:40:00	-0.10	0	0	143	0.20	37.0	100
03/10/2020 10:50:00	-0.10	0	0	143	0.20	37.0	100
03/10/2020 11:00:00	-0.10	0	0	144	0.20	37.0	100
03/10/2020 11:10:00	-0.11	0	0	143	0.20	37.0	100
03/10/2020 11:20:00	-0.11	0	0	143	0.20	37.0	100
03/10/2020 11:30:00	-0.12	0	0	143	0.20	37.0	100
03/10/2020 11:40:00	-0.12	0	0	143	0.20	37.0	100
03/10/2020 11:50:00	-0.12	0	0	143	0.20	37.0	100
03/10/2020 12:00:00	-0.12	0	0	143	0.20	37.0	100
03/10/2020 12:10:00	-0.13	0	0	143	0.20	37.0	100
03/10/2020 12:20:00	-0.13	0	0	143	0.20	37.0	100
03/10/2020 12:30:00	-0.13	0	0	143	0.20	37.0	100
03/10/2020 12:40:00	-0.13	0	0	143	0.20	37.0	100
03/10/2020 12:50:00	-0.13	0	0	143	0.20	37.0	100
03/10/2020 13:00:00	-0.13	0	0	143	0.20	37.0	100
03/10/2020 13:10:00	-0.13	0	0	143	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
03/10/2020 10:40:00	7	1	50	5	0.5	100	100
03/10/2020 10:50:00	7	1	50	5	0.5	100	100
03/10/2020 11:00:00	7	1	50	5	0.5	100	100
03/10/2020 11:10:00	7	1	50	5	0.5	100	100
03/10/2020 11:20:00	7	1	50	5	0.5	100	100
03/10/2020 11:30:00	7	1	50	5	0.5	100	100
03/10/2020 11:40:00	7	1	50	5	0.5	100	100
03/10/2020 11:50:00	7	1	50	5	0.5	100	100
03/10/2020 12:00:00	7	1	50	5	0.5	100	100
03/10/2020 12:10:00	7	1	50	5	0.5	100	100
03/10/2020 12:20:00	7	1	50	5	0.5	100	100
03/10/2020 12:30:00	7	1	50	5	0.5	100	100
03/10/2020 12:40:00	7	1	50	5	0.5	100	100
03/10/2020 12:50:00	7	1	50	5	0.5	100	100
03/10/2020 13:00:00	7	1	50	5	0.5	100	100
03/10/2020 13:10:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
03/10/2020 10:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 10:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 11:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 11:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 11:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 11:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 11:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 11:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 12:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 12:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 12:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 12:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 12:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 12:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 13:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 13:10:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:02		Page 565 of 905

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
03/10/2020 10:40:00	0	100	10	10	10	2	1
03/10/2020 10:50:00	0	100	10	10	10	2	1
03/10/2020 11:00:00	0	100	10	10	10	2	1
03/10/2020 11:10:00	0	100	10	10	10	2	1
03/10/2020 11:20:00	0	100	10	10	10	2	1
03/10/2020 11:30:00	0	100	10	10	10	2	1
03/10/2020 11:40:00	0	100	10	10	10	2	1
03/10/2020 11:50:00	0	100	10	10	10	2	1
03/10/2020 12:00:00	0	100	10	10	10	2	1
03/10/2020 12:10:00	0	100	10	10	10	2	1
03/10/2020 12:20:00	0	100	10	10	10	2	1
03/10/2020 12:30:00	0	100	10	10	10	2	1
03/10/2020 12:40:00	0	100	10	10	10	2	1
03/10/2020 12:50:00	0	100	10	10	10	2	1
03/10/2020 13:00:00	0	100	10	10	10	2	1
03/10/2020 13:10:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
03/10/2020 13:20:00	0	100	28.4	15	14	103	103
03/10/2020 13:30:00	0	100	28.3	15	14	103	103
03/10/2020 13:40:00	0	100	28.1	15	14	103	103
03/10/2020 13:50:00	0	100	28.0	15	14	103	103
03/10/2020 14:00:00	0	100	27.9	15	14	103	103
03/10/2020 14:10:00	0	100	27.8	15	14	103	103
03/10/2020 14:20:00	0	100	27.7	15	14	103	103
03/10/2020 14:30:00	0	100	27.6	15	14	103	103
03/10/2020 14:40:00	0	100	27.5	15	14	103	103
03/10/2020 14:50:00	0	100	27.4	15	14	103	103
03/10/2020 15:00:00	0	100	27.2	15	14	103	103
03/10/2020 15:10:00	0	100	27.1	15	14	103	103
03/10/2020 15:20:00	0	100	27.0	15	14	103	103
03/10/2020 15:30:00	0	100	26.9	15	14	103	103
03/10/2020 15:40:00	0	100	26.8	15	14	103	103
03/10/2020 15:50:00	0	100	26.8	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
03/10/2020 13:20:00	-0.14	0	0	143	0.20	37.0	100
03/10/2020 13:30:00	-0.14	0	0	143	0.20	37.0	100
03/10/2020 13:40:00	-0.14	0	0	143	0.20	37.0	100
03/10/2020 13:50:00	-0.14	0	0	143	0.20	37.0	100
03/10/2020 14:00:00	-0.14	0	0	143	0.20	37.0	100
03/10/2020 14:10:00	-0.14	0	0	143	0.20	37.0	100
03/10/2020 14:20:00	-0.14	0	0	143	0.20	37.0	100
03/10/2020 14:30:00	-0.14	0	0	143	0.20	37.0	100
03/10/2020 14:40:00	-0.14	0	0	143	0.20	37.0	100
03/10/2020 14:50:00	-0.14	0	0	143	0.20	37.0	100
03/10/2020 15:00:00	-0.14	0	0	143	0.20	37.0	100
03/10/2020 15:10:00	-0.14	0	0	143	0.20	37.0	100
03/10/2020 15:20:00	-0.14	0	0	143	0.20	37.0	100
03/10/2020 15:30:00	-0.14	0	0	143	0.20	37.0	100
03/10/2020 15:40:00	-0.14	0	0	143	0.20	37.0	100
03/10/2020 15:50:00	-0.13	0	0	142	0.20	37.0	100

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Verified By:- USER\_SUPERVISOR

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**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
03/10/2020 13:20:00	7	1	50	5	0.5	100	100
03/10/2020 13:30:00	7	1	50	5	0.5	100	100
03/10/2020 13:40:00	7	1	50	5	0.5	100	100
03/10/2020 13:50:00	7	1	50	5	0.5	100	100
03/10/2020 14:00:00	7	1	50	5	0.5	100	100
03/10/2020 14:10:00	7	1	50	5	0.5	100	100
03/10/2020 14:20:00	7	1	50	5	0.5	100	100
03/10/2020 14:30:00	7	1	50	5	0.5	100	100
03/10/2020 14:40:00	7	1	50	5	0.5	100	100
03/10/2020 14:50:00	7	1	50	5	0.5	100	100
03/10/2020 15:00:00	7	1	50	5	0.5	100	100
03/10/2020 15:10:00	7	1	50	5	0.5	100	100
03/10/2020 15:20:00	7	1	50	5	0.5	100	100
03/10/2020 15:30:00	7	1	50	5	0.5	100	100
03/10/2020 15:40:00	7	1	50	5	0.5	100	100
03/10/2020 15:50:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
03/10/2020 13:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 13:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 13:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 13:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 14:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 14:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 14:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 14:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 14:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 14:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 15:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 15:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 15:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 15:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 15:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 15:50:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
03/10/2020 13:20:00	0	100	10	10	10	2	1
03/10/2020 13:30:00	0	100	10	10	10	2	1
03/10/2020 13:40:00	0	100	10	10	10	2	1
03/10/2020 13:50:00	0	100	10	10	10	2	1
03/10/2020 14:00:00	0	100	10	10	10	2	1
03/10/2020 14:10:00	0	100	10	10	10	2	1
03/10/2020 14:20:00	0	100	10	10	10	2	1
03/10/2020 14:30:00	0	100	10	10	10	2	1
03/10/2020 14:40:00	0	100	10	10	10	2	1
03/10/2020 14:50:00	0	100	10	10	10	2	1
03/10/2020 15:00:00	0	100	10	10	10	2	1
03/10/2020 15:10:00	0	100	10	10	10	2	1
03/10/2020 15:20:00	0	100	10	10	10	2	1
03/10/2020 15:30:00	0	100	10	10	10	2	1
03/10/2020 15:40:00	0	100	10	10	10	2	1
03/10/2020 15:50:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
03/10/2020 16:00:00	0	100	26.8	15	14	103	103
03/10/2020 16:10:00	0	100	26.8	15	14	103	103
03/10/2020 16:20:00	0	100	26.8	15	14	103	103
03/10/2020 16:30:00	0	100	26.7	15	14	103	103
03/10/2020 16:40:00	0	100	26.7	15	14	103	103
03/10/2020 16:50:00	0	100	26.7	15	14	103	103
03/10/2020 17:00:00	0	100	26.7	15	14	103	103
03/10/2020 17:10:00	0	100	26.7	15	14	103	103
03/10/2020 17:20:00	0	100	26.7	15	14	103	103
03/10/2020 17:30:00	0	100	26.6	15	14	103	103
03/10/2020 17:40:00	0	100	26.6	15	14	103	103
03/10/2020 17:50:00	0	100	26.6	15	14	103	103
03/10/2020 18:00:00	0	100	26.6	15	14	103	103
03/10/2020 18:10:00	0	100	26.6	15	14	103	103
03/10/2020 18:20:00	0	100	26.6	15	14	103	103
03/10/2020 18:30:00	0	100	26.6	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
03/10/2020 16:00:00	-0.13	0	0	141	0.20	37.0	100
03/10/2020 16:10:00	-0.13	0	0	141	0.20	37.0	100
03/10/2020 16:20:00	-0.13	0	0	141	0.20	37.0	100
03/10/2020 16:30:00	-0.13	0	0	140	0.20	37.0	100
03/10/2020 16:40:00	-0.12	0	0	140	0.20	37.0	100
03/10/2020 16:50:00	-0.12	0	0	140	0.20	37.0	100
03/10/2020 17:00:00	-0.12	0	0	140	0.20	37.0	100
03/10/2020 17:10:00	-0.12	0	0	140	0.20	37.0	100
03/10/2020 17:20:00	-0.12	0	0	140	0.20	37.0	100
03/10/2020 17:30:00	-0.12	0	0	141	0.20	37.0	100
03/10/2020 17:40:00	-0.12	0	0	140	0.20	37.0	100
03/10/2020 17:50:00	-0.11	0	0	140	0.20	37.0	100
03/10/2020 18:00:00	-0.11	0	0	140	0.20	37.0	100
03/10/2020 18:10:00	-0.11	0	0	140	0.20	37.0	100
03/10/2020 18:20:00	-0.11	0	0	140	0.20	37.0	100
03/10/2020 18:30:00	-0.11	0	0	140	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
03/10/2020 16:00:00	7	1	50	5	0.5	100	100
03/10/2020 16:10:00	7	1	50	5	0.5	100	100
03/10/2020 16:20:00	7	1	50	5	0.5	100	100
03/10/2020 16:30:00	7	1	50	5	0.5	100	100
03/10/2020 16:40:00	7	1	50	5	0.5	100	100
03/10/2020 16:50:00	7	1	50	5	0.5	100	100
03/10/2020 17:00:00	7	1	50	5	0.5	100	100
03/10/2020 17:10:00	7	1	50	5	0.5	100	100
03/10/2020 17:20:00	7	1	50	5	0.5	100	100
03/10/2020 17:30:00	7	1	50	5	0.5	100	100
03/10/2020 17:40:00	7	1	50	5	0.5	100	100
03/10/2020 17:50:00	7	1	50	5	0.5	100	100
03/10/2020 18:00:00	7	1	50	5	0.5	100	100
03/10/2020 18:10:00	7	1	50	5	0.5	100	100
03/10/2020 18:20:00	7	1	50	5	0.5	100	100
03/10/2020 18:30:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
03/10/2020 16:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 16:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 16:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 16:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 16:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 16:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 17:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 17:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 17:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 17:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 17:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 17:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 18:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 18:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 18:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 18:30:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
03/10/2020 16:00:00	0	100	10	10	10	2	1
03/10/2020 16:10:00	0	100	10	10	10	2	1
03/10/2020 16:20:00	0	100	10	10	10	2	1
03/10/2020 16:30:00	0	100	10	10	10	2	1
03/10/2020 16:40:00	0	100	10	10	10	2	1
03/10/2020 16:50:00	0	100	10	10	10	2	1
03/10/2020 17:00:00	0	100	10	10	10	2	1
03/10/2020 17:10:00	0	100	10	10	10	2	1
03/10/2020 17:20:00	0	100	10	10	10	2	1
03/10/2020 17:30:00	0	100	10	10	10	2	1
03/10/2020 17:40:00	0	100	10	10	10	2	1
03/10/2020 17:50:00	0	100	10	10	10	2	1
03/10/2020 18:00:00	0	100	10	10	10	2	1
03/10/2020 18:10:00	0	100	10	10	10	2	1
03/10/2020 18:20:00	0	100	10	10	10	2	1
03/10/2020 18:30:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
03/10/2020 18:40:00	0	100	26.5	15	14	103	103
03/10/2020 18:50:00	0	100	26.5	15	14	103	103
03/10/2020 19:00:00	0	100	26.5	15	14	103	103
03/10/2020 19:10:00	0	100	26.5	15	14	103	103
03/10/2020 19:20:00	0	100	26.5	15	14	103	103
03/10/2020 19:30:00	0	100	26.5	15	14	103	103
03/10/2020 19:40:00	0	100	26.5	15	14	103	103
03/10/2020 19:50:00	0	100	26.5	15	14	103	103
03/10/2020 20:00:00	0	100	26.5	15	14	103	103
03/10/2020 20:10:00	0	100	26.5	15	14	103	103
03/10/2020 20:20:00	0	100	26.5	15	14	103	103
03/10/2020 20:30:00	0	100	26.5	15	14	103	103
03/10/2020 20:40:00	0	100	26.5	15	14	103	103
03/10/2020 20:50:00	0	100	26.5	15	14	103	103
03/10/2020 21:00:00	0	100	26.5	15	14	103	103
03/10/2020 21:10:00	0	100	26.4	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
03/10/2020 18:40:00	-0.11	0	0	140	0.20	37.0	100
03/10/2020 18:50:00	-1.01	0	0	140	0.20	37.0	100
03/10/2020 19:00:00	-0.11	0	0	140	0.20	37.0	100
03/10/2020 19:10:00	-0.11	0	0	140	0.20	37.0	100
03/10/2020 19:20:00	-0.11	0	0	140	0.20	37.0	100
03/10/2020 19:30:00	-0.11	0	0	140	0.20	37.0	100
03/10/2020 19:40:00	-0.11	0	0	140	0.20	37.0	100
03/10/2020 19:50:00	-0.11	0	0	140	0.20	37.0	100
03/10/2020 20:00:00	-0.11	0	0	139	0.20	37.0	100
03/10/2020 20:10:00	-0.10	0	0	139	0.20	37.0	100
03/10/2020 20:20:00	-0.10	0	0	139	0.20	37.0	100
03/10/2020 20:30:00	-0.10	0	0	139	0.20	37.0	100
03/10/2020 20:40:00	-0.10	0	0	139	0.20	37.0	100
03/10/2020 20:50:00	-0.10	0	0	139	0.20	37.0	100
03/10/2020 21:00:00	-0.10	0	0	139	0.20	37.0	100
03/10/2020 21:10:00	-0.10	0	0	139	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
03/10/2020 18:40:00	7	1	50	5	0.5	100	100
03/10/2020 18:50:00	7	1	50	5	0.5	100	100
03/10/2020 19:00:00	7	1	50	5	0.5	100	100
03/10/2020 19:10:00	7	1	50	5	0.5	100	100
03/10/2020 19:20:00	7	1	50	5	0.5	100	100
03/10/2020 19:30:00	7	1	50	5	0.5	100	100
03/10/2020 19:40:00	7	1	50	5	0.5	100	100
03/10/2020 19:50:00	7	1	50	5	0.5	100	100
03/10/2020 20:00:00	7	1	50	5	0.5	100	100
03/10/2020 20:10:00	7	1	50	5	0.5	100	100
03/10/2020 20:20:00	7	1	50	5	0.5	100	100
03/10/2020 20:30:00	7	1	50	5	0.5	100	100
03/10/2020 20:40:00	7	1	50	5	0.5	100	100
03/10/2020 20:50:00	7	1	50	5	0.5	100	100
03/10/2020 21:00:00	7	1	50	5	0.5	100	100
03/10/2020 21:10:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR- 201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR- 201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR- 201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR- 201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR- 201_D_SP_FM.CV
03/10/2020 18:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 18:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 19:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 19:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 19:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 19:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 19:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 19:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 20:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 20:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 20:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 20:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 20:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 20:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 21:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 21:10:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
03/10/2020 18:40:00	0	100	10	10	10	2	1
03/10/2020 18:50:00	0	100	10	10	10	2	1
03/10/2020 19:00:00	0	100	10	10	10	2	1
03/10/2020 19:10:00	0	100	10	10	10	2	1
03/10/2020 19:20:00	0	100	10	10	10	2	1
03/10/2020 19:30:00	0	100	10	10	10	2	1
03/10/2020 19:40:00	0	100	10	10	10	2	1
03/10/2020 19:50:00	0	100	10	10	10	2	1
03/10/2020 20:00:00	0	100	10	10	10	2	1
03/10/2020 20:10:00	0	100	10	10	10	2	1
03/10/2020 20:20:00	0	100	10	10	10	2	1
03/10/2020 20:30:00	0	100	10	10	10	2	1
03/10/2020 20:40:00	0	100	10	10	10	2	1
03/10/2020 20:50:00	0	100	10	10	10	2	1
03/10/2020 21:00:00	0	100	10	10	10	2	1
03/10/2020 21:10:00	0	100	10	10	10	2	1

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Agitator AGT-0201 SICR-0201/A01/SP.CV	AGITATION SPEED (FER-AGT01) 200-RPT/SICR- 201_SP_FM.CV	Temp-Vessel TICR-0201/PV.CV	PH QICR-0201/PV.CV	PH QICR-0202/PV.CV	DO QICR-0203/PV.CV	DO QICR-0204/PV.CV
03/10/2020 21:20:00	0	100	26.4	15	14	103	103
03/10/2020 21:30:00	0	100	26.4	15	14	103	103
03/10/2020 21:40:00	0	100	26.4	15	14	103	103
03/10/2020 21:50:00	0	100	26.4	15	14	103	103
03/10/2020 22:00:00	0	100	26.4	15	14	103	103
03/10/2020 22:10:00	0	100	26.4	15	14	103	103
03/10/2020 22:20:00	0	100	26.4	15	14	103	103
03/10/2020 22:30:00	0	100	26.4	15	14	103	103
03/10/2020 22:40:00	0	100	26.4	15	14	103	103
03/10/2020 22:50:00	0	100	26.4	15	14	103	103
03/10/2020 23:00:00	0	100	26.4	15	14	103	103
03/10/2020 23:10:00	0	100	26.4	15	14	103	103
03/10/2020 23:20:00	0	100	26.4	15	14	103	103
03/10/2020 23:30:00	0	100	26.4	15	14	103	103
03/10/2020 23:40:00	0	100	26.4	15	14	103	103
03/10/2020 23:50:00	0	100	26.4	15	14	103	103

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	Vessel Pressure PICR-0201/PV.CV	Air MFC MFC-0201- FB/PID1/PV.CV	Oxygen MFC MFC- 0202/PID1/PV.CV	Level LICR-0201/PV.CV	VESSEL PRESSURE (FER-PI01) 200-RPT/PICR- 201_SP_FM.CV	VESSEL TEMPERATURE (FER-TI01) 200-RPT/TICR- 201_SP_FM.CV	AIR FLOW (FER-AF01) 200-RPT/MFC- 201_SP_FM.CV
03/10/2020 21:20:00	-0.10	0	0	139	0.20	37.0	100
03/10/2020 21:30:00	-0.10	0	0	139	0.20	37.0	100
03/10/2020 21:40:00	-0.10	0	0	139	0.20	37.0	100
03/10/2020 21:50:00	-0.10	0	0	139	0.20	37.0	100
03/10/2020 22:00:00	-0.10	0	0	139	0.20	37.0	100
03/10/2020 22:10:00	-0.10	0	0	139	0.20	37.0	100
03/10/2020 22:20:00	-0.10	0	0	138	0.20	37.0	100
03/10/2020 22:30:00	-0.10	0	0	138	0.20	37.0	100
03/10/2020 22:40:00	-0.10	0	0	138	0.20	37.0	100
03/10/2020 22:50:00	-0.10	0	0	138	0.20	37.0	100
03/10/2020 23:00:00	-0.10	0	0	138	0.20	37.0	100
03/10/2020 23:10:00	-0.10	0	0	138	0.20	37.0	100
03/10/2020 23:20:00	-0.10	0	0	138	0.20	37.0	100
03/10/2020 23:30:00	-0.10	0	0	138	0.20	37.0	100
03/10/2020 23:40:00	-0.10	0	0	138	0.20	37.0	100
03/10/2020 23:50:00	-0.10	0	0	138	0.20	37.0	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**FERMENTATION (FER)**

DATE & TIME	PH SET POINT 200-RPT/QICR-201- 2_SP_FM.CV	PH DEAD BAND 200-RPT/QICR- 201_D_SP_FM.CV	DO SET POINT 200- RPT/DO_SP_FM.CV	DO DEAD BAND 200- RPT/DO_D_SP_FM.C V	TEMPERATURE DEAD BAND (DB) 200-RPT/TICR- 201_D_SP_FM.CV	AGITATOR MINIMUM RPM SET POINT 200-RPT/SICR- 201_SP_FM.CV	AGITATION SPEED (FER- AGT01) 200-RPT/SICR- 201_L_SP_FM.CV
03/10/2020 21:20:00	7	1	50	5	0.5	100	100
03/10/2020 21:30:00	7	1	50	5	0.5	100	100
03/10/2020 21:40:00	7	1	50	5	0.5	100	100
03/10/2020 21:50:00	7	1	50	5	0.5	100	100
03/10/2020 22:00:00	7	1	50	5	0.5	100	100
03/10/2020 22:10:00	7	1	50	5	0.5	100	100
03/10/2020 22:20:00	7	1	50	5	0.5	100	100
03/10/2020 22:30:00	7	1	50	5	0.5	100	100
03/10/2020 22:40:00	7	1	50	5	0.5	100	100
03/10/2020 22:50:00	7	1	50	5	0.5	100	100
03/10/2020 23:00:00	7	1	50	5	0.5	100	100
03/10/2020 23:10:00	7	1	50	5	0.5	100	100
03/10/2020 23:20:00	7	1	50	5	0.5	100	100
03/10/2020 23:30:00	7	1	50	5	0.5	100	100
03/10/2020 23:40:00	7	1	50	5	0.5	100	100
03/10/2020 23:50:00	7	1	50	5	0.5	100	100

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**FERMENTATION (FER)**

DATE & TIME	AGITATOR MAXIMUM RPM SET POINT 200-RPT/SICR-201_M_SP_FM.CV	INCREMENTAL RPM 200-RPT/SICR-201_I_SP_FM.CV	DECREMENTAL RPM 200-RPT/SICR-201_D_SP_FM.CV	MINIMUM BACK PRESSURE SET POINT 200-RPT/PICR-201_L_SP_FM.CV	MAXIMUM BACK PRESSURE SET POINT 200-RPT/PICR-201_M_SP_FM.CV	INCREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR-201_I_SP_FM.CV	DECREMENTAL BACK PRESSURE (BAR) 200-RPT/PICR-201_D_SP_FM.CV
03/10/2020 21:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 21:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 21:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 21:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 22:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 22:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 22:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 22:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 22:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 22:50:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 23:00:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 23:10:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 23:20:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 23:30:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 23:40:00	725	10	20	0.30	1.00	0.30	0.10
03/10/2020 23:50:00	725	10	20	0.30	1.00	0.30	0.10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

FERMENTATION (FER)							
DATE & TIME	MINIMUM OXYGEN SET POINT 200-RPT/MFC-202_L_SP_FM.CV	MAXIMUM OXYGEN SET POINT 200-RPT/MFC-202_M_SP_FM.CV	INCREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_I_SP_FM.CV	DECREMENTAL OXYGEN FLOW (LPM) 200-RPT/MFC-202_D_SP_FM.CV	INOCULATION PUMP SPEED 200-RPT/SICR-205_SP_FM.CV	FEED-1 PUMP SPEED 200-RPT/SICR-203_SP_FM.CV	FEED-2 PUMP SPEED 200-RPT/SICR-204_SP_FM.CV
03/10/2020 21:20:00	0	100	10	10	10	2	1
03/10/2020 21:30:00	0	100	10	10	10	2	1
03/10/2020 21:40:00	0	100	10	10	10	2	1
03/10/2020 21:50:00	0	100	10	10	10	2	1
03/10/2020 22:00:00	0	100	10	10	10	2	1
03/10/2020 22:10:00	0	100	10	10	10	2	1
03/10/2020 22:20:00	0	100	10	10	10	2	1
03/10/2020 22:30:00	0	100	10	10	10	2	1
03/10/2020 22:40:00	0	100	10	10	10	2	1
03/10/2020 22:50:00	0	100	10	10	10	2	1
03/10/2020 23:00:00	0	100	10	10	10	2	1
03/10/2020 23:10:00	0	100	10	10	10	2	1
03/10/2020 23:20:00	0	100	10	10	10	2	1
03/10/2020 23:30:00	0	100	10	10	10	2	1
03/10/2020 23:40:00	0	100	10	10	10	2	1
03/10/2020 23:50:00	0	100	10	10	10	2	1

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:02		Page 586 of 905

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
01/10/2020 00:00:00	27.7	0	100	-0.14	0.20	162	10
01/10/2020 00:10:00	27.6	0	100	-0.14	0.20	162	10
01/10/2020 00:20:00	27.5	0	100	-0.14	0.20	162	10
01/10/2020 00:30:00	27.3	0	100	-0.13	0.20	162	10
01/10/2020 00:40:00	27.2	0	100	-0.13	0.20	162	10
01/10/2020 00:50:00	27.1	0	100	-0.13	0.20	162	10
01/10/2020 01:00:00	27.0	0	100	-0.13	0.20	162	10
01/10/2020 01:10:00	26.9	0	100	-0.13	0.20	162	10
01/10/2020 01:20:00	26.8	0	100	-0.13	0.20	162	10
01/10/2020 01:30:00	26.7	0	100	-0.13	0.20	162	10
01/10/2020 01:40:00	26.6	0	100	-0.13	0.20	162	10
01/10/2020 01:50:00	26.5	0	100	-0.13	0.20	162	10
01/10/2020 02:00:00	26.4	0	100	-0.13	0.20	162	10
01/10/2020 02:10:00	26.3	0	100	-0.13	0.20	162	10
01/10/2020 02:20:00	26.2	0	100	-0.13	0.20	162	10
01/10/2020 02:30:00	26.1	0	100	-0.13	0.20	162	10
01/10/2020 02:40:00	26.0	0	100	-0.13	0.20	162	10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
01/10/2020 02:50:00	25.9	0	100	-0.13	0.20	162	10
01/10/2020 03:00:00	25.8	0	100	-0.13	0.20	162	10
01/10/2020 03:10:00	25.7	0	100	-0.13	0.20	162	10
01/10/2020 03:20:00	25.6	0	100	-0.13	0.20	162	10
01/10/2020 03:30:00	25.5	0	100	-0.13	0.20	162	10
01/10/2020 03:40:00	25.4	0	100	-0.13	0.20	162	10
01/10/2020 03:50:00	25.3	0	100	-0.13	0.20	162	10
01/10/2020 04:00:00	25.2	0	100	-0.13	0.20	162	10
01/10/2020 04:10:00	25.2	0	100	-0.13	0.20	162	10
01/10/2020 04:20:00	25.1	0	100	-0.13	0.20	162	10
01/10/2020 04:30:00	25.0	0	100	-0.13	0.20	162	10
01/10/2020 04:40:00	24.9	0	100	-0.13	0.20	162	10
01/10/2020 04:50:00	24.8	0	100	-0.13	0.20	162	10
01/10/2020 05:00:00	24.7	0	100	-0.13	0.20	162	10
01/10/2020 05:10:00	24.6	0	100	-0.13	0.20	162	10
01/10/2020 05:20:00	24.5	0	100	-0.13	0.20	162	10
01/10/2020 05:30:00	24.5	0	100	-0.13	0.20	162	10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
01/10/2020 05:40:00	24.4	0	100	-0.13	0.20	162	10
01/10/2020 05:50:00	24.3	0	100	-0.13	0.20	162	10
01/10/2020 06:00:00	24.2	0	100	-0.13	0.20	162	10
01/10/2020 06:10:00	24.2	0	100	-0.13	0.20	162	10
01/10/2020 06:20:00	24.1	0	100	-0.13	0.20	162	10
01/10/2020 06:30:00	24.0	0	100	-0.13	0.20	162	10
01/10/2020 06:40:00	23.9	0	100	-0.13	0.20	162	10
01/10/2020 06:50:00	23.9	0	100	-0.13	0.20	162	10
01/10/2020 07:00:00	23.8	0	100	-0.13	0.20	162	10
01/10/2020 07:10:00	23.7	0	100	-0.13	0.20	162	10
01/10/2020 07:20:00	23.6	0	100	-0.13	0.20	162	10
01/10/2020 07:30:00	23.5	0	100	-0.13	0.20	162	10
01/10/2020 07:40:00	23.5	0	100	-0.13	0.20	162	10
01/10/2020 07:50:00	23.4	0	100	-0.13	0.20	162	10
01/10/2020 08:00:00	23.3	0	100	-0.13	0.20	162	10
01/10/2020 08:10:00	23.3	0	100	-0.13	0.20	162	10
01/10/2020 08:20:00	23.2	0	100	-0.13	0.20	162	10

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
01/10/2020 08:30:00	23.1	0	100	-0.13	0.20	162	10
01/10/2020 08:40:00	23.1	0	100	-0.13	0.20	162	10
01/10/2020 08:50:00	23.0	0	100	-0.13	0.20	162	10
01/10/2020 09:00:00	22.9	0	100	-0.13	0.20	162	10
01/10/2020 09:10:00	22.9	0	100	-0.13	0.20	162	10
01/10/2020 09:20:00	22.8	0	100	-0.13	0.20	162	10
01/10/2020 09:30:00	22.7	0	100	-0.13	0.20	162	10
01/10/2020 09:40:00	22.7	0	100	-0.13	0.20	162	10
01/10/2020 09:50:00	22.6	0	100	-0.13	0.20	162	10
01/10/2020 10:00:00	22.5	0	100	-0.13	0.20	162	10
01/10/2020 10:10:00	22.5	0	100	-0.13	0.20	162	10
01/10/2020 10:20:00	22.5	0	100	-0.13	0.20	162	10
01/10/2020 10:30:00	22.5	0	100	-0.12	0.20	162	10
01/10/2020 10:40:00	22.5	0	100	-0.12	0.20	162	10
01/10/2020 10:50:00	22.5	0	100	-0.12	0.20	162	10
01/10/2020 11:00:00	26.2	100	100	-0.02	0.20	155	1
01/10/2020 11:10:00	26.2	100	100	-0.02	0.20	154	1

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**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
01/10/2020 11:20:00	47.7	100	100	0.05	0.20	128	1
01/10/2020 11:30:00	85.8	100	100	-0.01	0.20	129	1
01/10/2020 11:40:00	99.7	100	100	0.15	0.20	129	1
01/10/2020 11:50:00	101.9	0	100	0.24	0.20	129	1
01/10/2020 12:00:00	100.1	0	100	0.18	0.20	129	1
01/10/2020 12:10:00	98.6	0	100	0.13	0.20	129	1
01/10/2020 12:20:00	105.1	0	100	0.39	0.20	127	1
01/10/2020 12:30:00	105.3	0	100	0.40	0.20	127	1
01/10/2020 12:40:00	79.3	0	100	1.50	0.20	154	1
01/10/2020 12:50:00	58.1	0	100	1.50	0.20	153	1
01/10/2020 13:00:00	46.3	0	100	1.50	0.20	153	1
01/10/2020 13:10:00	43.1	0	100	1.50	0.20	153	1
01/10/2020 13:20:00	41.9	0	100	1.50	0.20	153	1
01/10/2020 13:30:00	41.3	0	100	1.50	0.20	153	1
01/10/2020 13:40:00	40.9	0	100	1.50	0.20	153	1
01/10/2020 13:50:00	40.6	0	100	1.50	0.20	153	1
01/10/2020 14:00:00	40.3	0	100	1.50	0.20	153	1

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
01/10/2020 14:10:00	48.3	100	100	0.10	0.20	125	10
01/10/2020 14:20:00	85.8	100	100	0.05	0.20	126	10
01/10/2020 14:30:00	100.3	100	100	0.21	0.20	126	10
01/10/2020 14:40:00	108.1	100	100	0.54	0.20	126	10
01/10/2020 14:50:00	112.0	100	100	0.74	0.20	126	10
01/10/2020 15:00:00	113.7	100	100	0.83	0.20	125	10
01/10/2020 15:10:00	113.7	0	100	0.83	0.20	124	10
01/10/2020 15:20:00	111.8	0	100	0.71	0.20	125	10
01/10/2020 15:30:00	108.8	100	100	0.58	0.20	123	10
01/10/2020 15:40:00	107.5	0	100	0.51	0.20	123	10
01/10/2020 15:50:00	105.6	100	100	1.76	0.20	132	10
01/10/2020 16:00:00	71.6	0	100	1.46	0.20	149	10
01/10/2020 16:10:00	65.5	0	100	1.34	0.20	150	10
01/10/2020 16:20:00	63.5	0	100	1.28	0.20	150	10
01/10/2020 16:30:00	57.2	0	100	-0.02	0.20	143	5
01/10/2020 16:40:00	50.9	0	100	-0.05	0.20	139	5
01/10/2020 16:50:00	49.3	0	100	-0.07	0.20	140	5

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**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
01/10/2020 17:00:00	48.5	0	100	-0.09	0.20	141	5
01/10/2020 17:10:00	48.0	0	100	-0.11	0.20	142	5
01/10/2020 17:20:00	47.7	0	100	-0.11	0.20	142	5
01/10/2020 17:30:00	47.4	0	100	-0.12	0.20	142	5
01/10/2020 17:40:00	47.2	0	100	-0.13	0.20	143	5
01/10/2020 17:50:00	46.9	0	100	-0.14	0.20	143	5
01/10/2020 18:00:00	46.6	0	100	-0.14	0.20	143	5
01/10/2020 18:10:00	46.4	0	100	-0.15	0.20	143	5
01/10/2020 18:20:00	46.2	0	100	-0.15	0.20	144	5
01/10/2020 18:30:00	45.9	0	100	-0.15	0.20	144	5
01/10/2020 18:40:00	45.7	0	100	-0.15	0.20	141	5
01/10/2020 18:50:00	45.5	0	100	-0.16	0.20	142	5
01/10/2020 19:00:00	45.3	0	100	-0.16	0.20	143	5
01/10/2020 19:10:00	45.0	0	100	-0.16	0.20	142	5
01/10/2020 19:20:00	44.8	0	100	-0.16	0.20	143	5
01/10/2020 19:30:00	44.6	0	100	-0.16	0.20	143	5
01/10/2020 19:40:00	44.4	0	100	-0.17	0.20	143	5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
01/10/2020 19:50:00	44.2	0	100	-0.17	0.20	144	5
01/10/2020 20:00:00	44.0	0	100	-0.17	0.20	144	5
01/10/2020 20:10:00	43.8	0	100	-0.17	0.20	144	5
01/10/2020 20:20:00	43.6	0	100	-0.17	0.20	144	5
01/10/2020 20:30:00	43.4	0	100	-0.17	0.20	144	5
01/10/2020 20:40:00	43.2	0	100	-0.17	0.20	144	5
01/10/2020 20:50:00	43.1	0	100	-0.17	0.20	144	5
01/10/2020 21:00:00	42.9	0	100	-0.17	0.20	144	5
01/10/2020 21:10:00	42.7	0	100	-0.17	0.20	144	5
01/10/2020 21:20:00	42.5	0	100	-0.17	0.20	144	5
01/10/2020 21:30:00	42.4	0	100	-0.17	0.20	144	5
01/10/2020 21:40:00	42.2	0	100	-0.17	0.20	144	5
01/10/2020 21:50:00	42.1	0	100	-0.17	0.20	144	5
01/10/2020 22:00:00	41.9	0	100	-0.17	0.20	144	5
01/10/2020 22:10:00	41.8	0	100	-0.17	0.20	144	5
01/10/2020 22:20:00	41.6	0	100	-0.17	0.20	144	5
01/10/2020 22:30:00	41.5	0	100	-0.17	0.20	144	5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
01/10/2020 22:40:00	41.4	0	100	-0.17	0.20	144	5
01/10/2020 22:50:00	41.2	0	100	-0.17	0.20	144	5
01/10/2020 23:00:00	41.1	0	100	-0.17	0.20	144	5
01/10/2020 23:10:00	41.0	0	100	-0.17	0.20	144	5
01/10/2020 23:20:00	40.8	0	100	-0.17	0.20	144	5
01/10/2020 23:30:00	40.7	0	100	-0.17	0.20	145	5
01/10/2020 23:40:00	40.6	0	100	-0.17	0.20	145	5
01/10/2020 23:50:00	40.4	0	100	-0.16	0.20	145	5
02/10/2020 00:00:00	40.3	0	100	-0.16	0.20	145	5
02/10/2020 00:10:00	40.2	0	100	-0.16	0.20	145	5
02/10/2020 00:20:00	40.1	0	100	-0.16	0.20	145	5
02/10/2020 00:30:00	40.0	0	100	-0.16	0.20	145	5
02/10/2020 00:40:00	39.9	0	100	-0.16	0.20	145	5
02/10/2020 00:50:00	39.8	0	100	-0.16	0.20	145	5
02/10/2020 01:00:00	39.7	0	100	-0.16	0.20	145	5
02/10/2020 01:10:00	39.5	0	100	-0.16	0.20	145	5
02/10/2020 01:20:00	39.4	0	100	-0.16	0.20	145	5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
02/10/2020 01:30:00	39.3	0	100	-0.16	0.20	145	5
02/10/2020 01:40:00	39.2	0	100	-0.16	0.20	145	5
02/10/2020 01:50:00	39.1	0	100	-0.16	0.20	145	5
02/10/2020 02:00:00	39.0	0	100	-0.16	0.20	145	5
02/10/2020 02:10:00	38.9	0	100	-0.16	0.20	145	5
02/10/2020 02:20:00	38.8	0	100	-0.16	0.20	145	5
02/10/2020 02:30:00	38.7	0	100	-0.16	0.20	145	5
02/10/2020 02:40:00	38.6	0	100	-0.15	0.20	145	5
02/10/2020 02:50:00	38.6	0	100	-0.15	0.20	145	5
02/10/2020 03:00:00	38.5	0	100	-0.15	0.20	145	5
02/10/2020 03:10:00	38.4	0	100	-0.15	0.20	144	5
02/10/2020 03:20:00	38.3	0	100	-0.15	0.20	143	5
02/10/2020 03:30:00	38.2	0	100	-0.15	0.20	145	5
02/10/2020 03:40:00	38.1	0	100	-0.15	0.20	145	5
02/10/2020 03:50:00	38.0	0	100	-0.15	0.20	145	5
02/10/2020 04:00:00	37.9	0	100	-0.15	0.20	145	5
02/10/2020 04:10:00	37.8	0	100	-0.15	0.20	145	5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
02/10/2020 04:20:00	37.7	0	100	-0.15	0.20	144	5
02/10/2020 04:30:00	37.7	0	100	-0.15	0.20	144	5
02/10/2020 04:40:00	37.6	0	100	-0.15	0.20	144	5
02/10/2020 04:50:00	37.5	0	100	-0.15	0.20	144	5
02/10/2020 05:00:00	37.4	0	100	-0.15	0.20	144	5
02/10/2020 05:10:00	37.4	0	100	-0.15	0.20	144	5
02/10/2020 05:20:00	37.3	0	100	-0.15	0.20	144	5
02/10/2020 05:30:00	37.2	0	100	-0.15	0.20	144	5
02/10/2020 05:40:00	37.1	0	100	-0.15	0.20	144	5
02/10/2020 05:50:00	37.0	0	100	-0.15	0.20	145	5
02/10/2020 06:00:00	37.0	0	100	-0.15	0.20	145	5
02/10/2020 06:10:00	36.9	0	100	-0.15	0.20	145	5
02/10/2020 06:20:00	36.8	0	100	-0.15	0.20	145	5
02/10/2020 06:30:00	36.8	0	100	-0.15	0.20	145	5
02/10/2020 06:40:00	36.7	0	100	-0.15	0.20	145	5
02/10/2020 06:50:00	36.6	0	100	-0.15	0.20	145	5
02/10/2020 07:00:00	36.5	0	100	-0.14	0.20	145	5

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:04		Page 597 of 905

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
02/10/2020 07:10:00	36.5	0	100	-0.14	0.20	145	5
02/10/2020 07:20:00	36.4	0	100	-0.14	0.20	145	5
02/10/2020 07:30:00	36.3	0	100	-0.14	0.20	145	5
02/10/2020 07:40:00	36.3	0	100	-0.14	0.20	145	5
02/10/2020 07:50:00	36.2	0	100	-0.14	0.20	145	5
02/10/2020 08:00:00	36.1	0	100	-0.14	0.20	145	5
02/10/2020 08:10:00	36.0	0	100	-0.14	0.20	145	5
02/10/2020 08:20:00	36.0	0	100	-0.14	0.20	145	5
02/10/2020 08:30:00	35.9	0	100	-0.14	0.20	145	5
02/10/2020 08:40:00	35.8	0	100	-0.14	0.20	145	5
02/10/2020 08:50:00	35.8	0	100	-0.14	0.20	145	5
02/10/2020 09:00:00	35.7	0	100	-0.14	0.20	144	5
02/10/2020 09:10:00	35.6	0	100	-0.14	0.20	144	5
02/10/2020 09:20:00	35.6	0	100	-0.14	0.20	144	5
02/10/2020 09:30:00	35.5	0	100	-0.14	0.20	144	5
02/10/2020 09:40:00	35.5	0	100	-0.14	0.20	145	5
02/10/2020 09:50:00	35.4	0	100	-0.14	0.20	145	5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
02/10/2020 10:00:00	35.3	0	100	-0.14	0.20	145	5
02/10/2020 10:10:00	35.3	0	100	-0.14	0.20	145	5
02/10/2020 10:20:00	35.2	0	100	-0.14	0.20	145	5
02/10/2020 10:30:00	35.1	0	100	-0.14	0.20	145	5
02/10/2020 10:40:00	35.1	0	100	-0.14	0.20	145	5
02/10/2020 10:50:00	35.0	0	100	-0.14	0.20	145	5
02/10/2020 11:00:00	35.0	0	100	-0.14	0.20	145	5
02/10/2020 11:10:00	34.9	0	100	-0.14	0.20	145	5
02/10/2020 11:20:00	34.8	0	100	-0.14	0.20	145	5
02/10/2020 11:30:00	34.8	0	100	-0.14	0.20	145	5
02/10/2020 11:40:00	34.7	0	100	-0.14	0.20	145	5
02/10/2020 11:50:00	34.7	0	100	-0.14	0.20	145	5
02/10/2020 12:00:00	34.6	0	100	-0.14	0.20	145	5
02/10/2020 12:10:00	34.6	0	100	-0.13	0.20	145	5
02/10/2020 12:20:00	34.5	0	100	-0.13	0.20	145	5
02/10/2020 12:30:00	34.5	0	100	-0.13	0.20	145	5
02/10/2020 12:40:00	34.4	0	100	-0.13	0.20	145	5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
02/10/2020 12:50:00	34.3	0	100	-0.13	0.20	145	5
02/10/2020 13:00:00	34.3	0	100	-0.13	0.20	145	5
02/10/2020 13:10:00	34.2	0	100	-0.13	0.20	145	5
02/10/2020 13:20:00	34.2	0	100	-0.13	0.20	145	5
02/10/2020 13:30:00	34.1	0	100	-0.13	0.20	145	5
02/10/2020 13:40:00	34.1	0	100	-0.13	0.20	145	5
02/10/2020 13:50:00	34.1	0	100	-0.13	0.20	145	5
02/10/2020 14:00:00	34.0	0	100	-0.13	0.20	145	5
02/10/2020 14:10:00	34.0	0	100	-0.13	0.20	145	5
02/10/2020 14:20:00	33.9	0	100	-0.13	0.20	145	5
02/10/2020 14:30:00	33.8	0	100	-0.13	0.20	145	5
02/10/2020 14:40:00	33.8	0	100	-0.13	0.20	145	5
02/10/2020 14:50:00	33.8	0	100	-0.13	0.20	145	5
02/10/2020 15:00:00	33.7	0	100	-0.13	0.20	145	5
02/10/2020 15:10:00	33.7	0	100	-0.13	0.20	145	5
02/10/2020 15:20:00	33.6	0	100	-0.13	0.20	145	5
02/10/2020 15:30:00	33.6	0	100	-0.13	0.20	145	5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
02/10/2020 15:40:00	33.5	0	100	-0.13	0.20	145	5
02/10/2020 15:50:00	33.5	0	100	-0.13	0.20	145	5
02/10/2020 16:00:00	33.5	0	100	-0.13	0.20	145	5
02/10/2020 16:10:00	33.4	0	100	-0.13	0.20	145	5
02/10/2020 16:20:00	33.4	0	100	-0.12	0.20	145	5
02/10/2020 16:30:00	33.3	0	100	-0.12	0.20	145	5
02/10/2020 16:40:00	33.3	0	100	-0.12	0.20	145	5
02/10/2020 16:50:00	33.2	0	100	-0.12	0.20	145	5
02/10/2020 17:00:00	33.2	0	100	-0.12	0.20	145	5
02/10/2020 17:10:00	33.2	0	100	-0.12	0.20	145	5
02/10/2020 17:20:00	33.1	0	100	-0.12	0.20	145	5
02/10/2020 17:30:00	33.1	0	100	-0.12	0.20	145	5
02/10/2020 17:40:00	33.0	0	100	-0.12	0.20	145	5
02/10/2020 17:50:00	33.0	0	100	-0.12	0.20	145	5
02/10/2020 18:00:00	33.0	0	100	-0.12	0.20	145	5
02/10/2020 18:10:00	32.9	0	100	-0.12	0.20	145	5
02/10/2020 18:20:00	32.9	0	100	-0.12	0.20	145	5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
02/10/2020 18:30:00	32.9	0	100	-0.12	0.20	145	5
02/10/2020 18:40:00	32.8	0	100	-0.12	0.20	145	5
02/10/2020 18:50:00	32.8	0	100	-0.12	0.20	145	5
02/10/2020 19:00:00	32.7	0	100	-0.12	0.20	145	5
02/10/2020 19:10:00	32.7	0	100	-0.12	0.20	145	5
02/10/2020 19:20:00	32.7	0	100	-0.12	0.20	145	5
02/10/2020 19:30:00	32.6	0	100	-0.12	0.20	145	5
02/10/2020 19:40:00	32.6	0	100	-0.12	0.20	145	5
02/10/2020 19:50:00	32.5	0	100	-0.12	0.20	145	5
02/10/2020 20:00:00	32.5	0	100	-0.12	0.20	145	5
02/10/2020 20:10:00	32.5	0	100	-0.12	0.20	145	5
02/10/2020 20:20:00	32.4	0	100	-0.12	0.20	145	5
02/10/2020 20:30:00	32.4	0	100	-0.12	0.20	145	5
02/10/2020 20:40:00	32.4	0	100	-0.12	0.20	145	5
02/10/2020 20:50:00	32.4	0	100	-0.12	0.20	145	5
02/10/2020 21:00:00	32.3	0	100	-0.12	0.20	145	5
02/10/2020 21:10:00	32.3	0	100	-0.12	0.20	145	5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
02/10/2020 21:20:00	32.3	0	100	-0.12	0.20	145	5
02/10/2020 21:30:00	32.2	0	100	-0.12	0.20	145	5
02/10/2020 21:40:00	32.2	0	100	-0.12	0.20	145	5
02/10/2020 21:50:00	32.2	0	100	-0.12	0.20	145	5
02/10/2020 22:00:00	32.1	0	100	-0.12	0.20	145	5
02/10/2020 22:10:00	32.1	0	100	-0.12	0.20	145	5
02/10/2020 22:20:00	32.1	0	100	-0.12	0.20	145	5
02/10/2020 22:30:00	32.0	0	100	-0.12	0.20	145	5
02/10/2020 22:40:00	32.0	0	100	-0.12	0.20	145	5
02/10/2020 22:50:00	32.0	0	100	-0.12	0.20	145	5
02/10/2020 23:00:00	32.0	0	100	-0.12	0.20	145	5
02/10/2020 23:10:00	31.9	0	100	-0.12	0.20	145	5
02/10/2020 23:20:00	31.9	0	100	-0.12	0.20	145	5
02/10/2020 23:30:00	31.9	0	100	-0.12	0.20	145	5
02/10/2020 23:40:00	31.8	0	100	-0.12	0.20	145	5
02/10/2020 23:50:00	31.8	0	100	-0.11	0.20	145	5
03/10/2020 00:00:00	31.8	0	100	-0.11	0.20	145	5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
03/10/2020 00:10:00	31.7	0	100	-0.11	0.20	145	5
03/10/2020 00:20:00	31.7	0	100	-0.11	0.20	145	5
03/10/2020 00:30:00	31.7	0	100	-0.11	0.20	145	5
03/10/2020 00:40:00	31.7	0	100	-0.11	0.20	145	5
03/10/2020 00:50:00	31.6	0	100	-0.11	0.20	145	5
03/10/2020 01:00:00	31.6	0	100	-0.11	0.20	145	5
03/10/2020 01:10:00	31.6	0	100	-0.11	0.20	145	5
03/10/2020 01:20:00	31.5	0	100	-0.11	0.20	145	5
03/10/2020 01:30:00	31.5	0	100	-0.11	0.20	145	5
03/10/2020 01:40:00	31.5	0	100	-0.11	0.20	145	5
03/10/2020 01:50:00	31.5	0	100	-0.11	0.20	145	5
03/10/2020 02:00:00	31.4	0	100	-0.11	0.20	145	5
03/10/2020 02:10:00	31.4	0	100	-0.11	0.20	145	5
03/10/2020 02:20:00	31.4	0	100	-0.11	0.20	145	5
03/10/2020 02:30:00	31.4	0	100	-0.11	0.20	145	5
03/10/2020 02:40:00	31.3	0	100	-0.11	0.20	145	5
03/10/2020 02:50:00	31.3	0	100	-0.11	0.20	145	5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
03/10/2020 03:00:00	31.3	0	100	-0.11	0.20	145	5
03/10/2020 03:10:00	31.3	0	100	-0.11	0.20	145	5
03/10/2020 03:20:00	31.3	0	100	-0.11	0.20	145	5
03/10/2020 03:30:00	31.2	0	100	-0.11	0.20	145	5
03/10/2020 03:40:00	31.2	0	100	-0.11	0.20	145	5
03/10/2020 03:50:00	31.2	0	100	-0.11	0.20	145	5
03/10/2020 04:00:00	31.1	0	100	-0.11	0.20	145	5
03/10/2020 04:10:00	31.1	0	100	-0.11	0.20	145	5
03/10/2020 04:20:00	31.1	0	100	-0.11	0.20	145	5
03/10/2020 04:30:00	31.1	0	100	-0.11	0.20	145	5
03/10/2020 04:40:00	31.1	0	100	-0.11	0.20	145	5
03/10/2020 04:50:00	31.0	0	100	-0.11	0.20	145	5
03/10/2020 05:00:00	31.0	0	100	-0.11	0.20	145	5
03/10/2020 05:10:00	31.0	0	100	-0.11	0.20	145	5
03/10/2020 05:20:00	31.0	0	100	-0.11	0.20	145	5
03/10/2020 05:30:00	30.9	0	100	-0.11	0.20	145	5
03/10/2020 05:40:00	30.9	0	100	-0.11	0.20	145	5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
03/10/2020 05:50:00	30.9	0	100	-0.11	0.20	145	5
03/10/2020 06:00:00	30.9	0	100	-0.11	0.20	145	5
03/10/2020 06:10:00	30.8	0	100	-0.11	0.20	145	5
03/10/2020 06:20:00	30.8	0	100	-0.11	0.20	145	5
03/10/2020 06:30:00	30.8	0	100	-0.11	0.20	145	5
03/10/2020 06:40:00	30.8	0	100	-0.11	0.20	145	5
03/10/2020 06:50:00	30.7	0	100	-0.11	0.20	145	5
03/10/2020 07:00:00	30.7	0	100	-0.11	0.20	145	5
03/10/2020 07:10:00	30.7	0	100	-0.11	0.20	145	5
03/10/2020 07:20:00	30.7	0	100	-0.11	0.20	145	5
03/10/2020 07:30:00	30.6	0	100	-0.11	0.20	145	5
03/10/2020 07:40:00	30.6	0	100	-0.11	0.20	145	5
03/10/2020 07:50:00	30.6	0	100	-0.11	0.20	145	5
03/10/2020 08:00:00	30.6	0	100	-0.10	0.20	145	5
03/10/2020 08:10:00	30.6	0	100	-0.10	0.20	145	5
03/10/2020 08:20:00	30.5	0	100	-0.10	0.20	144	5
03/10/2020 08:30:00	30.5	0	100	-0.10	0.20	144	5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
03/10/2020 08:40:00	30.5	0	100	-0.10	0.20	144	5
03/10/2020 08:50:00	30.5	0	100	-0.10	0.20	144	5
03/10/2020 09:00:00	30.5	0	100	-0.10	0.20	144	5
03/10/2020 09:10:00	30.5	0	100	-0.10	0.20	143	5
03/10/2020 09:20:00	30.4	0	100	-0.10	0.20	143	5
03/10/2020 09:30:00	30.4	0	100	-0.10	0.20	143	5
03/10/2020 09:40:00	30.4	0	100	-0.10	0.20	143	5
03/10/2020 09:50:00	30.4	0	100	-0.10	0.20	143	5
03/10/2020 10:00:00	30.4	0	100	-0.10	0.20	143	5
03/10/2020 10:10:00	30.3	0	100	-0.10	0.20	143	5
03/10/2020 10:20:00	30.3	0	100	-0.10	0.20	143	5
03/10/2020 10:30:00	30.3	0	100	-0.10	0.20	143	5
03/10/2020 10:40:00	30.3	0	100	-0.10	0.20	143	5
03/10/2020 10:50:00	30.3	0	100	-0.10	0.20	143	5
03/10/2020 11:00:00	30.2	0	100	-0.10	0.20	144	5
03/10/2020 11:10:00	30.0	0	100	-0.11	0.20	143	5
03/10/2020 11:20:00	29.9	0	100	-0.11	0.20	143	5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
03/10/2020 11:30:00	29.8	0	100	-0.12	0.20	143	5
03/10/2020 11:40:00	29.7	0	100	-0.12	0.20	143	5
03/10/2020 11:50:00	29.5	0	100	-0.12	0.20	143	5
03/10/2020 12:00:00	29.4	0	100	-0.12	0.20	143	5
03/10/2020 12:10:00	29.3	0	100	-0.13	0.20	143	5
03/10/2020 12:20:00	29.2	0	100	-0.13	0.20	143	5
03/10/2020 12:30:00	29.0	0	100	-0.13	0.20	143	5
03/10/2020 12:40:00	28.9	0	100	-0.13	0.20	143	5
03/10/2020 12:50:00	28.8	0	100	-0.13	0.20	143	5
03/10/2020 13:00:00	28.6	0	100	-0.13	0.20	143	5
03/10/2020 13:10:00	28.5	0	100	-0.13	0.20	143	5
03/10/2020 13:20:00	28.4	0	100	-0.14	0.20	143	5
03/10/2020 13:30:00	28.3	0	100	-0.14	0.20	143	5
03/10/2020 13:40:00	28.1	0	100	-0.14	0.20	143	5
03/10/2020 13:50:00	28.0	0	100	-0.14	0.20	143	5
03/10/2020 14:00:00	27.9	0	100	-0.14	0.20	143	5
03/10/2020 14:10:00	27.8	0	100	-0.14	0.20	143	5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
03/10/2020 14:20:00	27.7	0	100	-0.14	0.20	143	5
03/10/2020 14:30:00	27.6	0	100	-0.14	0.20	143	5
03/10/2020 14:40:00	27.5	0	100	-0.14	0.20	143	5
03/10/2020 14:50:00	27.4	0	100	-0.14	0.20	143	5
03/10/2020 15:00:00	27.2	0	100	-0.14	0.20	143	5
03/10/2020 15:10:00	27.1	0	100	-0.14	0.20	143	5
03/10/2020 15:20:00	27.0	0	100	-0.14	0.20	143	5
03/10/2020 15:30:00	26.9	0	100	-0.14	0.20	143	5
03/10/2020 15:40:00	26.8	0	100	-0.14	0.20	143	5
03/10/2020 15:50:00	26.8	0	100	-0.13	0.20	142	5
03/10/2020 16:00:00	26.8	0	100	-0.13	0.20	141	5
03/10/2020 16:10:00	26.8	0	100	-0.13	0.20	141	5
03/10/2020 16:20:00	26.8	0	100	-0.13	0.20	141	5
03/10/2020 16:30:00	26.7	0	100	-0.13	0.20	140	5
03/10/2020 16:40:00	26.7	0	100	-0.12	0.20	140	5
03/10/2020 16:50:00	26.7	0	100	-0.12	0.20	140	5
03/10/2020 17:00:00	26.7	0	100	-0.12	0.20	140	5

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
03/10/2020 17:10:00	26.7	0	100	-0.12	0.20	140	5
03/10/2020 17:20:00	26.7	0	100	-0.12	0.20	140	5
03/10/2020 17:30:00	26.6	0	100	-0.12	0.20	141	5
03/10/2020 17:40:00	26.6	0	100	-0.12	0.20	140	5
03/10/2020 17:50:00	26.6	0	100	-0.11	0.20	140	5
03/10/2020 18:00:00	26.6	0	100	-0.11	0.20	140	5
03/10/2020 18:10:00	26.6	0	100	-0.11	0.20	140	5
03/10/2020 18:20:00	26.6	0	100	-0.11	0.20	140	5
03/10/2020 18:30:00	26.6	0	100	-0.11	0.20	140	5
03/10/2020 18:40:00	26.5	0	100	-0.11	0.20	140	5
03/10/2020 18:50:00	26.5	0	100	-0.11	0.20	140	5
03/10/2020 19:00:00	26.5	0	100	-0.11	0.20	140	5
03/10/2020 19:10:00	26.5	0	100	-0.11	0.20	140	5
03/10/2020 19:20:00	26.5	0	100	-0.11	0.20	140	5
03/10/2020 19:30:00	26.5	0	100	-0.11	0.20	140	5
03/10/2020 19:40:00	26.5	0	100	-0.11	0.20	140	5
03/10/2020 19:50:00	26.5	0	100	-0.11	0.20	140	5

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
03/10/2020 20:00:00	26.5	0	100	-0.11	0.20	139	5
03/10/2020 20:10:00	26.5	0	100	-0.10	0.20	139	5
03/10/2020 20:20:00	26.5	0	100	-0.10	0.20	139	5
03/10/2020 20:30:00	26.5	0	100	-0.10	0.20	139	5
03/10/2020 20:40:00	26.5	0	100	-0.10	0.20	139	5
03/10/2020 20:50:00	26.5	0	100	-0.10	0.20	139	5
03/10/2020 21:00:00	26.5	0	100	-0.10	0.20	139	5
03/10/2020 21:10:00	26.4	0	100	-0.10	0.20	139	5
03/10/2020 21:20:00	26.4	0	100	-0.10	0.20	139	5
03/10/2020 21:30:00	26.4	0	100	-0.10	0.20	139	5
03/10/2020 21:40:00	26.4	0	100	-0.10	0.20	139	5
03/10/2020 21:50:00	26.4	0	100	-0.10	0.20	139	5
03/10/2020 22:00:00	26.4	0	100	-0.10	0.20	139	5
03/10/2020 22:10:00	26.4	0	100	-0.10	0.20	139	5
03/10/2020 22:20:00	26.4	0	100	-0.10	0.20	138	5
03/10/2020 22:30:00	26.4	0	100	-0.10	0.20	138	5
03/10/2020 22:40:00	26.4	0	100	-0.10	0.20	138	5

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**HARVEST (HAR)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	AGITATOR AGT-0201 SICR- 0201/AO1/PV.CV	AGITATION SPEED SP (HAR-AGS01) 200-RPT/SICR- 201_SP_HAR.CV	VESSEL PRESSURE (PICR-0201) SYN- PICR/PID1/PV.CV	PRESSURE SP (HAR-PI01) 200-RPT/PICR- 201_SP_HAR.CV	LEVEL LICR-0201/PV.CV	TRANSFER VOLUME SP (HAR-STL01) 200-RPT/LICR- 201_TSP_HAR.CV
03/10/2020 22:50:00	26.4	0	100	-0.10	0.20	138	5
03/10/2020 23:00:00	26.4	0	100	-0.10	0.20	138	5
03/10/2020 23:10:00	26.4	0	100	-0.10	0.20	138	5
03/10/2020 23:20:00	26.4	0	100	-0.10	0.20	138	5
03/10/2020 23:30:00	26.4	0	100	-0.10	0.20	138	5
03/10/2020 23:40:00	26.4	0	100	-0.10	0.20	138	5
03/10/2020 23:50:00	26.4	0	100	-0.10	0.20	138	5

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
01/10/2020 00:00:00	27.7	-0.14	0.08	1.50	0.20
01/10/2020 00:10:00	27.6	-0.14	0.08	1.50	0.20
01/10/2020 00:20:00	27.5	-0.14	0.08	1.50	0.20
01/10/2020 00:30:00	27.3	-0.13	0.08	1.50	0.20
01/10/2020 00:40:00	27.2	-0.13	0.07	1.50	0.20
01/10/2020 00:50:00	27.1	-0.13	0.07	1.50	0.20
01/10/2020 01:00:00	27.0	-0.13	0.07	1.50	0.20
01/10/2020 01:10:00	26.9	-0.13	0.07	1.50	0.20
01/10/2020 01:20:00	26.8	-0.13	0.07	1.50	0.20
01/10/2020 01:30:00	26.7	-0.13	0.07	1.50	0.20
01/10/2020 01:40:00	26.6	-0.13	0.07	1.50	0.20
01/10/2020 01:50:00	26.5	-0.13	0.07	1.50	0.20
01/10/2020 02:00:00	26.4	-0.13	0.07	1.50	0.20
01/10/2020 02:10:00	26.3	-0.13	0.07	1.50	0.20
01/10/2020 02:20:00	26.2	-0.13	0.06	1.50	0.20
01/10/2020 02:30:00	26.1	-0.13	0.06	1.50	0.20
01/10/2020 02:40:00	26.0	-0.13	0.06	1.50	0.20

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**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
01/10/2020 02:50:00	25.9	-0.13	0.06	1.50	0.20
01/10/2020 03:00:00	25.8	-0.13	0.06	1.50	0.20
01/10/2020 03:10:00	25.7	-0.13	0.06	1.50	0.20
01/10/2020 03:20:00	25.6	-0.13	0.06	1.50	0.20
01/10/2020 03:30:00	25.5	-0.13	0.06	1.50	0.20
01/10/2020 03:40:00	25.4	-0.13	0.06	1.50	0.20
01/10/2020 03:50:00	25.3	-0.13	0.06	1.50	0.20
01/10/2020 04:00:00	25.2	-0.13	0.06	1.50	0.20
01/10/2020 04:10:00	25.2	-0.13	0.05	1.50	0.20
01/10/2020 04:20:00	25.1	-0.13	0.05	1.50	0.20
01/10/2020 04:30:00	25.0	-0.13	0.05	1.50	0.20
01/10/2020 04:40:00	24.9	-0.13	0.05	1.50	0.20
01/10/2020 04:50:00	24.8	-0.13	0.05	1.50	0.20
01/10/2020 05:00:00	24.7	-0.13	0.05	1.50	0.20
01/10/2020 05:10:00	24.6	-0.13	0.05	1.50	0.20
01/10/2020 05:20:00	24.5	-0.13	0.05	1.50	0.20
01/10/2020 05:30:00	24.5	-0.13	0.05	1.50	0.20

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**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
01/10/2020 05:40:00	24.4	-0.13	0.05	1.50	0.20
01/10/2020 05:50:00	24.3	-0.13	0.05	1.50	0.20
01/10/2020 06:00:00	24.2	-0.13	0.05	1.50	0.20
01/10/2020 06:10:00	24.2	-0.13	0.04	1.50	0.20
01/10/2020 06:20:00	24.1	-0.13	0.04	1.50	0.20
01/10/2020 06:30:00	24.0	-0.13	0.04	1.50	0.20
01/10/2020 06:40:00	23.9	-0.13	0.04	1.50	0.20
01/10/2020 06:50:00	23.9	-0.13	0.04	1.50	0.20
01/10/2020 07:00:00	23.8	-0.13	0.04	1.50	0.20
01/10/2020 07:10:00	23.7	-0.13	0.04	1.50	0.20
01/10/2020 07:20:00	23.6	-0.13	0.04	1.50	0.20
01/10/2020 07:30:00	23.5	-0.13	0.04	1.50	0.20
01/10/2020 07:40:00	23.5	-0.13	0.04	1.50	0.20
01/10/2020 07:50:00	23.4	-0.13	0.04	1.50	0.20
01/10/2020 08:00:00	23.3	-0.13	0.04	1.50	0.20
01/10/2020 08:10:00	23.3	-0.13	0.03	1.50	0.20
01/10/2020 08:20:00	23.2	-0.13	0.03	1.50	0.20

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**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
01/10/2020 08:30:00	23.1	-0.13	0.03	1.50	0.20
01/10/2020 08:40:00	23.1	-0.13	0.03	1.50	0.20
01/10/2020 08:50:00	23.0	-0.13	0.03	1.50	0.20
01/10/2020 09:00:00	22.9	-0.13	0.03	1.50	0.20
01/10/2020 09:10:00	22.9	-0.13	0.03	1.50	0.20
01/10/2020 09:20:00	22.8	-0.13	0.03	1.50	0.20
01/10/2020 09:30:00	22.7	-0.13	0.03	1.50	0.20
01/10/2020 09:40:00	22.7	-0.13	0.03	1.50	0.20
01/10/2020 09:50:00	22.6	-0.13	0.03	1.50	0.20
01/10/2020 10:00:00	22.5	-0.13	0.03	1.50	0.20
01/10/2020 10:10:00	22.5	-0.13	0.03	1.50	0.20
01/10/2020 10:20:00	22.5	-0.13	0.03	1.50	0.20
01/10/2020 10:30:00	22.5	-0.12	0.03	1.50	0.20
01/10/2020 10:40:00	22.5	-0.12	0.03	1.50	0.20
01/10/2020 10:50:00	22.5	-0.12	0.03	1.50	0.20
01/10/2020 11:00:00	26.2	-0.02	0.03	1.50	0.20
01/10/2020 11:10:00	26.2	-0.02	0.03	1.50	0.20

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**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
01/10/2020 11:20:00	47.7	0.05	0.69	1.50	0.20
01/10/2020 11:30:00	85.8	-0.01	0.69	1.50	0.20
01/10/2020 11:40:00	99.7	0.15	0.77	1.50	0.20
01/10/2020 11:50:00	101.9	0.24	0.82	1.50	0.20
01/10/2020 12:00:00	100.1	0.18	0.82	1.50	0.20
01/10/2020 12:10:00	98.6	0.13	0.82	1.50	0.20
01/10/2020 12:20:00	105.1	0.39	0.79	1.50	0.20
01/10/2020 12:30:00	105.3	0.40	0.79	1.50	0.20
01/10/2020 12:40:00	79.3	1.50	0.80	1.50	0.20
01/10/2020 12:50:00	58.1	1.50	0.77	1.50	0.20
01/10/2020 13:00:00	46.3	1.50	0.75	1.50	0.20
01/10/2020 13:10:00	43.1	1.50	0.73	1.50	0.20
01/10/2020 13:20:00	41.9	1.50	0.71	1.50	0.20
01/10/2020 13:30:00	41.3	1.50	0.70	1.50	0.20
01/10/2020 13:40:00	40.9	1.50	0.68	1.50	0.20
01/10/2020 13:50:00	40.6	1.50	0.67	1.50	0.20
01/10/2020 14:00:00	40.3	1.50	0.66	1.50	0.20

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Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR- 0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR- 203_SP_D_PC.CV
01/10/2020 14:10:00	48.3	0.10	0.71	1.00	0.20
01/10/2020 14:20:00	85.8	0.05	0.71	1.00	0.20
01/10/2020 14:30:00	100.3	0.21	0.78	1.00	0.20
01/10/2020 14:40:00	108.1	0.54	0.80	1.00	0.20
01/10/2020 14:50:00	112.0	0.74	0.80	1.00	0.20
01/10/2020 15:00:00	113.7	0.83	0.81	1.00	0.20
01/10/2020 15:10:00	113.7	0.83	0.85	1.00	0.20
01/10/2020 15:20:00	111.8	0.71	0.85	1.00	0.20
01/10/2020 15:30:00	108.8	0.58	0.80	1.00	0.20
01/10/2020 15:40:00	107.5	0.51	2.12	1.00	0.20
01/10/2020 15:50:00	105.6	1.76	2.29	1.00	0.20
01/10/2020 16:00:00	71.6	1.46	2.19	1.00	0.20
01/10/2020 16:10:00	65.5	1.34	2.09	1.00	0.20
01/10/2020 16:20:00	63.5	1.28	2.01	1.00	0.20
01/10/2020 16:30:00	57.2	-0.02	1.92	1.00	0.20
01/10/2020 16:40:00	50.9	-0.05	1.85	1.00	0.20
01/10/2020 16:50:00	49.3	-0.07	1.79	1.00	0.20

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Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
01/10/2020 17:00:00	48.5	-0.09	1.73	1.00	0.20
01/10/2020 17:10:00	48.0	-0.11	1.68	1.00	0.20
01/10/2020 17:20:00	47.7	-0.11	1.63	1.00	0.20
01/10/2020 17:30:00	47.4	-0.12	1.58	1.00	0.20
01/10/2020 17:40:00	47.2	-0.13	1.54	1.00	0.20
01/10/2020 17:50:00	46.9	-0.14	1.49	1.00	0.20
01/10/2020 18:00:00	46.6	-0.14	1.46	1.00	0.20
01/10/2020 18:10:00	46.4	-0.15	1.42	1.00	0.20
01/10/2020 18:20:00	46.2	-0.15	1.38	1.00	0.20
01/10/2020 18:30:00	45.9	-0.15	1.35	1.00	0.20
01/10/2020 18:40:00	45.7	-0.15	1.32	1.00	0.20
01/10/2020 18:50:00	45.5	-0.16	1.29	1.00	0.20
01/10/2020 19:00:00	45.3	-0.16	1.26	1.00	0.20
01/10/2020 19:10:00	45.0	-0.16	1.23	1.00	0.20
01/10/2020 19:20:00	44.8	-0.16	1.21	1.00	0.20
01/10/2020 19:30:00	44.6	-0.16	1.18	1.00	0.20
01/10/2020 19:40:00	44.4	-0.17	1.16	1.00	0.20

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**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
01/10/2020 19:50:00	44.2	-0.17	1.14	1.00	0.20
01/10/2020 20:00:00	44.0	-0.17	1.12	1.00	0.20
01/10/2020 20:10:00	43.8	-0.17	1.09	1.00	0.20
01/10/2020 20:20:00	43.6	-0.17	1.07	1.00	0.20
01/10/2020 20:30:00	43.4	-0.17	1.05	1.00	0.20
01/10/2020 20:40:00	43.2	-0.17	1.04	1.00	0.20
01/10/2020 20:50:00	43.1	-0.17	1.02	1.00	0.20
01/10/2020 21:00:00	42.9	-0.17	1.00	1.00	0.20
01/10/2020 21:10:00	42.7	-0.17	0.98	1.00	0.20
01/10/2020 21:20:00	42.5	-0.17	0.97	1.00	0.20
01/10/2020 21:30:00	42.4	-0.17	0.95	1.00	0.20
01/10/2020 21:40:00	42.2	-0.17	0.93	1.00	0.20
01/10/2020 21:50:00	42.1	-0.17	0.92	1.00	0.20
01/10/2020 22:00:00	41.9	-0.17	0.90	1.00	0.20
01/10/2020 22:10:00	41.8	-0.17	0.89	1.00	0.20
01/10/2020 22:20:00	41.6	-0.17	0.87	1.00	0.20
01/10/2020 22:30:00	41.5	-0.17	0.86	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
01/10/2020 22:40:00	41.4	-0.17	0.85	1.00	0.20
01/10/2020 22:50:00	41.2	-0.17	0.83	1.00	0.20
01/10/2020 23:00:00	41.1	-0.17	0.82	1.00	0.20
01/10/2020 23:10:00	41.0	-0.17	0.81	1.00	0.20
01/10/2020 23:20:00	40.8	-0.17	0.80	1.00	0.20
01/10/2020 23:30:00	40.7	-0.17	0.78	1.00	0.20
01/10/2020 23:40:00	40.6	-0.17	0.77	1.00	0.20
01/10/2020 23:50:00	40.4	-0.16	0.76	1.00	0.20
02/10/2020 00:00:00	40.3	-0.16	0.75	1.00	0.20
02/10/2020 00:10:00	40.2	-0.16	0.74	1.00	0.20
02/10/2020 00:20:00	40.1	-0.16	0.73	1.00	0.20
02/10/2020 00:30:00	40.0	-0.16	0.72	1.00	0.20
02/10/2020 00:40:00	39.9	-0.16	0.71	1.00	0.20
02/10/2020 00:50:00	39.8	-0.16	0.70	1.00	0.20
02/10/2020 01:00:00	39.7	-0.16	0.69	1.00	0.20
02/10/2020 01:10:00	39.5	-0.16	0.68	1.00	0.20
02/10/2020 01:20:00	39.4	-0.16	0.67	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
02/10/2020 01:30:00	39.3	-0.16	0.66	1.00	0.20
02/10/2020 01:40:00	39.2	-0.16	0.65	1.00	0.20
02/10/2020 01:50:00	39.1	-0.16	0.64	1.00	0.20
02/10/2020 02:00:00	39.0	-0.16	0.63	1.00	0.20
02/10/2020 02:10:00	38.9	-0.16	0.63	1.00	0.20
02/10/2020 02:20:00	38.8	-0.16	0.62	1.00	0.20
02/10/2020 02:30:00	38.7	-0.16	0.61	1.00	0.20
02/10/2020 02:40:00	38.6	-0.15	0.60	1.00	0.20
02/10/2020 02:50:00	38.6	-0.15	0.59	1.00	0.20
02/10/2020 03:00:00	38.5	-0.15	0.58	1.00	0.20
02/10/2020 03:10:00	38.4	-0.15	0.58	1.00	0.20
02/10/2020 03:20:00	38.3	-0.15	0.57	1.00	0.20
02/10/2020 03:30:00	38.2	-0.15	0.56	1.00	0.20
02/10/2020 03:40:00	38.1	-0.15	0.55	1.00	0.20
02/10/2020 03:50:00	38.0	-0.15	0.55	1.00	0.20
02/10/2020 04:00:00	37.9	-0.15	0.54	1.00	0.20
02/10/2020 04:10:00	37.8	-0.15	0.53	1.00	0.20

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**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
02/10/2020 04:20:00	37.7	-0.15	0.53	1.00	0.20
02/10/2020 04:30:00	37.7	-0.15	0.52	1.00	0.20
02/10/2020 04:40:00	37.6	-0.15	0.51	1.00	0.20
02/10/2020 04:50:00	37.5	-0.15	0.51	1.00	0.20
02/10/2020 05:00:00	37.4	-0.15	0.50	1.00	0.20
02/10/2020 05:10:00	37.4	-0.15	0.49	1.00	0.20
02/10/2020 05:20:00	37.3	-0.15	0.49	1.00	0.20
02/10/2020 05:30:00	37.2	-0.15	0.48	1.00	0.20
02/10/2020 05:40:00	37.1	-0.15	0.47	1.00	0.20
02/10/2020 05:50:00	37.0	-0.15	0.47	1.00	0.20
02/10/2020 06:00:00	37.0	-0.15	0.46	1.00	0.20
02/10/2020 06:10:00	36.9	-0.15	0.46	1.00	0.20
02/10/2020 06:20:00	36.8	-0.15	0.45	1.00	0.20
02/10/2020 06:30:00	36.8	-0.15	0.44	1.00	0.20
02/10/2020 06:40:00	36.7	-0.15	0.44	1.00	0.20
02/10/2020 06:50:00	36.6	-0.15	0.43	1.00	0.20
02/10/2020 07:00:00	36.5	-0.14	0.43	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
02/10/2020 07:10:00	36.5	-0.14	0.42	1.00	0.20
02/10/2020 07:20:00	36.4	-0.14	0.42	1.00	0.20
02/10/2020 07:30:00	36.3	-0.14	0.41	1.00	0.20
02/10/2020 07:40:00	36.3	-0.14	0.41	1.00	0.20
02/10/2020 07:50:00	36.2	-0.14	0.40	1.00	0.20
02/10/2020 08:00:00	36.1	-0.14	0.40	1.00	0.20
02/10/2020 08:10:00	36.0	-0.14	0.39	1.00	0.20
02/10/2020 08:20:00	36.0	-0.14	0.39	1.00	0.20
02/10/2020 08:30:00	35.9	-0.14	0.38	1.00	0.20
02/10/2020 08:40:00	35.8	-0.14	0.38	1.00	0.20
02/10/2020 08:50:00	35.8	-0.14	0.37	1.00	0.20
02/10/2020 09:00:00	35.7	-0.14	0.37	1.00	0.20
02/10/2020 09:10:00	35.6	-0.14	0.36	1.00	0.20
02/10/2020 09:20:00	35.6	-0.14	0.36	1.00	0.20
02/10/2020 09:30:00	35.5	-0.14	0.35	1.00	0.20
02/10/2020 09:40:00	35.5	-0.14	0.35	1.00	0.20
02/10/2020 09:50:00	35.4	-0.14	0.34	1.00	0.20

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**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
02/10/2020 10:00:00	35.3	-0.14	0.34	1.00	0.20
02/10/2020 10:10:00	35.3	-0.14	0.34	1.00	0.20
02/10/2020 10:20:00	35.2	-0.14	0.33	1.00	0.20
02/10/2020 10:30:00	35.1	-0.14	0.33	1.00	0.20
02/10/2020 10:40:00	35.1	-0.14	0.32	1.00	0.20
02/10/2020 10:50:00	35.0	-0.14	0.32	1.00	0.20
02/10/2020 11:00:00	35.0	-0.14	0.32	1.00	0.20
02/10/2020 11:10:00	34.9	-0.14	0.31	1.00	0.20
02/10/2020 11:20:00	34.8	-0.14	0.31	1.00	0.20
02/10/2020 11:30:00	34.8	-0.14	0.30	1.00	0.20
02/10/2020 11:40:00	34.7	-0.14	0.30	1.00	0.20
02/10/2020 11:50:00	34.7	-0.14	0.30	1.00	0.20
02/10/2020 12:00:00	34.6	-0.14	0.29	1.00	0.20
02/10/2020 12:10:00	34.6	-0.13	0.29	1.00	0.20
02/10/2020 12:20:00	34.5	-0.13	0.29	1.00	0.20
02/10/2020 12:30:00	34.5	-0.13	0.28	1.00	0.20
02/10/2020 12:40:00	34.4	-0.13	0.28	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
02/10/2020 12:50:00	34.3	-0.13	0.28	1.00	0.20
02/10/2020 13:00:00	34.3	-0.13	0.27	1.00	0.20
02/10/2020 13:10:00	34.2	-0.13	0.27	1.00	0.20
02/10/2020 13:20:00	34.2	-0.13	0.27	1.00	0.20
02/10/2020 13:30:00	34.1	-0.13	0.26	1.00	0.20
02/10/2020 13:40:00	34.1	-0.13	0.26	1.00	0.20
02/10/2020 13:50:00	34.1	-0.13	0.26	1.00	0.20
02/10/2020 14:00:00	34.0	-0.13	0.26	1.00	0.20
02/10/2020 14:10:00	34.0	-0.13	0.25	1.00	0.20
02/10/2020 14:20:00	33.9	-0.13	0.25	1.00	0.20
02/10/2020 14:30:00	33.8	-0.13	0.25	1.00	0.20
02/10/2020 14:40:00	33.8	-0.13	0.24	1.00	0.20
02/10/2020 14:50:00	33.8	-0.13	0.24	1.00	0.20
02/10/2020 15:00:00	33.7	-0.13	0.24	1.00	0.20
02/10/2020 15:10:00	33.7	-0.13	0.24	1.00	0.20
02/10/2020 15:20:00	33.6	-0.13	0.23	1.00	0.20
02/10/2020 15:30:00	33.6	-0.13	0.23	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
02/10/2020 15:40:00	33.5	-0.13	0.23	1.00	0.20
02/10/2020 15:50:00	33.5	-0.13	0.22	1.00	0.20
02/10/2020 16:00:00	33.5	-0.13	0.22	1.00	0.20
02/10/2020 16:10:00	33.4	-0.13	0.22	1.00	0.20
02/10/2020 16:20:00	33.4	-0.12	0.22	1.00	0.20
02/10/2020 16:30:00	33.3	-0.12	0.21	1.00	0.20
02/10/2020 16:40:00	33.3	-0.12	0.21	1.00	0.20
02/10/2020 16:50:00	33.2	-0.12	0.21	1.00	0.20
02/10/2020 17:00:00	33.2	-0.12	0.21	1.00	0.20
02/10/2020 17:10:00	33.2	-0.12	0.20	1.00	0.20
02/10/2020 17:20:00	33.1	-0.12	0.20	1.00	0.20
02/10/2020 17:30:00	33.1	-0.12	0.20	1.00	0.20
02/10/2020 17:40:00	33.0	-0.12	0.20	1.00	0.20
02/10/2020 17:50:00	33.0	-0.12	0.19	1.00	0.20
02/10/2020 18:00:00	33.0	-0.12	0.19	1.00	0.20
02/10/2020 18:10:00	32.9	-0.12	0.19	1.00	0.20
02/10/2020 18:20:00	32.9	-0.12	0.19	1.00	0.20

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**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
02/10/2020 18:30:00	32.9	-0.12	0.18	1.00	0.20
02/10/2020 18:40:00	32.8	-0.12	0.18	1.00	0.20
02/10/2020 18:50:00	32.8	-0.12	0.18	1.00	0.20
02/10/2020 19:00:00	32.7	-0.12	0.18	1.00	0.20
02/10/2020 19:10:00	32.7	-0.12	0.18	1.00	0.20
02/10/2020 19:20:00	32.7	-0.12	0.17	1.00	0.20
02/10/2020 19:30:00	32.6	-0.12	0.17	1.00	0.20
02/10/2020 19:40:00	32.6	-0.12	0.17	1.00	0.20
02/10/2020 19:50:00	32.5	-0.12	0.17	1.00	0.20
02/10/2020 20:00:00	32.5	-0.12	0.16	1.00	0.20
02/10/2020 20:10:00	32.5	-0.12	0.16	1.00	0.20
02/10/2020 20:20:00	32.4	-0.12	0.16	1.00	0.20
02/10/2020 20:30:00	32.4	-0.12	0.16	1.00	0.20
02/10/2020 20:40:00	32.4	-0.12	0.16	1.00	0.20
02/10/2020 20:50:00	32.4	-0.12	0.15	1.00	0.20
02/10/2020 21:00:00	32.3	-0.12	0.15	1.00	0.20
02/10/2020 21:10:00	32.3	-0.12	0.15	1.00	0.20

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**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
02/10/2020 21:20:00	32.3	-0.12	0.15	1.00	0.20
02/10/2020 21:30:00	32.2	-0.12	0.15	1.00	0.20
02/10/2020 21:40:00	32.2	-0.12	0.14	1.00	0.20
02/10/2020 21:50:00	32.2	-0.12	0.14	1.00	0.20
02/10/2020 22:00:00	32.1	-0.12	0.14	1.00	0.20
02/10/2020 22:10:00	32.1	-0.12	0.14	1.00	0.20
02/10/2020 22:20:00	32.1	-0.12	0.14	1.00	0.20
02/10/2020 22:30:00	32.0	-0.12	0.14	1.00	0.20
02/10/2020 22:40:00	32.0	-0.12	0.13	1.00	0.20
02/10/2020 22:50:00	32.0	-0.12	0.13	1.00	0.20
02/10/2020 23:00:00	32.0	-0.12	0.13	1.00	0.20
02/10/2020 23:10:00	31.9	-0.12	0.13	1.00	0.20
02/10/2020 23:20:00	31.9	-0.12	0.13	1.00	0.20
02/10/2020 23:30:00	31.9	-0.12	0.13	1.00	0.20
02/10/2020 23:40:00	31.8	-0.12	0.12	1.00	0.20
02/10/2020 23:50:00	31.8	-0.11	0.12	1.00	0.20
03/10/2020 00:00:00	31.8	-0.11	0.12	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
03/10/2020 00:10:00	31.7	-0.11	0.12	1.00	0.20
03/10/2020 00:20:00	31.7	-0.11	0.12	1.00	0.20
03/10/2020 00:30:00	31.7	-0.11	0.12	1.00	0.20
03/10/2020 00:40:00	31.7	-0.11	0.12	1.00	0.20
03/10/2020 00:50:00	31.6	-0.11	0.11	1.00	0.20
03/10/2020 01:00:00	31.6	-0.11	0.11	1.00	0.20
03/10/2020 01:10:00	31.6	-0.11	0.11	1.00	0.20
03/10/2020 01:20:00	31.5	-0.11	0.11	1.00	0.20
03/10/2020 01:30:00	31.5	-0.11	0.11	1.00	0.20
03/10/2020 01:40:00	31.5	-0.11	0.11	1.00	0.20
03/10/2020 01:50:00	31.5	-0.11	0.11	1.00	0.20
03/10/2020 02:00:00	31.4	-0.11	0.10	1.00	0.20
03/10/2020 02:10:00	31.4	-0.11	0.10	1.00	0.20
03/10/2020 02:20:00	31.4	-0.11	0.10	1.00	0.20
03/10/2020 02:30:00	31.4	-0.11	0.10	1.00	0.20
03/10/2020 02:40:00	31.3	-0.11	0.10	1.00	0.20
03/10/2020 02:50:00	31.3	-0.11	0.10	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
03/10/2020 03:00:00	31.3	-0.11	0.10	1.00	0.20
03/10/2020 03:10:00	31.3	-0.11	0.10	1.00	0.20
03/10/2020 03:20:00	31.3	-0.11	0.09	1.00	0.20
03/10/2020 03:30:00	31.2	-0.11	0.09	1.00	0.20
03/10/2020 03:40:00	31.2	-0.11	0.09	1.00	0.20
03/10/2020 03:50:00	31.2	-0.11	0.09	1.00	0.20
03/10/2020 04:00:00	31.1	-0.11	0.09	1.00	0.20
03/10/2020 04:10:00	31.1	-0.11	0.09	1.00	0.20
03/10/2020 04:20:00	31.1	-0.11	0.09	1.00	0.20
03/10/2020 04:30:00	31.1	-0.11	0.09	1.00	0.20
03/10/2020 04:40:00	31.1	-0.11	0.08	1.00	0.20
03/10/2020 04:50:00	31.0	-0.11	0.08	1.00	0.20
03/10/2020 05:00:00	31.0	-0.11	0.08	1.00	0.20
03/10/2020 05:10:00	31.0	-0.11	0.08	1.00	0.20
03/10/2020 05:20:00	31.0	-0.11	0.08	1.00	0.20
03/10/2020 05:30:00	30.9	-0.11	0.08	1.00	0.20
03/10/2020 05:40:00	30.9	-0.11	0.08	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
03/10/2020 05:50:00	30.9	-0.11	0.08	1.00	0.20
03/10/2020 06:00:00	30.9	-0.11	0.07	1.00	0.20
03/10/2020 06:10:00	30.8	-0.11	0.07	1.00	0.20
03/10/2020 06:20:00	30.8	-0.11	0.07	1.00	0.20
03/10/2020 06:30:00	30.8	-0.11	0.07	1.00	0.20
03/10/2020 06:40:00	30.8	-0.11	0.07	1.00	0.20
03/10/2020 06:50:00	30.7	-0.11	0.07	1.00	0.20
03/10/2020 07:00:00	30.7	-0.11	0.07	1.00	0.20
03/10/2020 07:10:00	30.7	-0.11	0.07	1.00	0.20
03/10/2020 07:20:00	30.7	-0.11	0.07	1.00	0.20
03/10/2020 07:30:00	30.6	-0.11	0.06	1.00	0.20
03/10/2020 07:40:00	30.6	-0.11	0.06	1.00	0.20
03/10/2020 07:50:00	30.6	-0.11	0.06	1.00	0.20
03/10/2020 08:00:00	30.6	-0.10	0.06	1.00	0.20
03/10/2020 08:10:00	30.6	-0.10	0.06	1.00	0.20
03/10/2020 08:20:00	30.5	-0.10	0.06	1.00	0.20
03/10/2020 08:30:00	30.5	-0.10	0.06	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
03/10/2020 08:40:00	30.5	-0.10	0.06	1.00	0.20
03/10/2020 08:50:00	30.5	-0.10	0.06	1.00	0.20
03/10/2020 09:00:00	30.5	-0.10	0.06	1.00	0.20
03/10/2020 09:10:00	30.5	-0.10	0.06	1.00	0.20
03/10/2020 09:20:00	30.4	-0.10	0.05	1.00	0.20
03/10/2020 09:30:00	30.4	-0.10	0.05	1.00	0.20
03/10/2020 09:40:00	30.4	-0.10	0.05	1.00	0.20
03/10/2020 09:50:00	30.4	-0.10	0.05	1.00	0.20
03/10/2020 10:00:00	30.4	-0.10	0.05	1.00	0.20
03/10/2020 10:10:00	30.3	-0.10	0.05	1.00	0.20
03/10/2020 10:20:00	30.3	-0.10	0.05	1.00	0.20
03/10/2020 10:30:00	30.3	-0.10	0.05	1.00	0.20
03/10/2020 10:40:00	30.3	-0.10	0.05	1.00	0.20
03/10/2020 10:50:00	30.3	-0.10	0.05	1.00	0.20
03/10/2020 11:00:00	30.2	-0.10	0.05	1.00	0.20
03/10/2020 11:10:00	30.0	-0.11	0.04	1.00	0.20
03/10/2020 11:20:00	29.9	-0.11	0.04	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
03/10/2020 11:30:00	29.8	-0.12	0.04	1.00	0.20
03/10/2020 11:40:00	29.7	-0.12	0.03	1.00	0.20
03/10/2020 11:50:00	29.5	-0.12	0.03	1.00	0.20
03/10/2020 12:00:00	29.4	-0.12	0.03	1.00	0.20
03/10/2020 12:10:00	29.3	-0.13	0.03	1.00	0.20
03/10/2020 12:20:00	29.2	-0.13	0.02	1.00	0.20
03/10/2020 12:30:00	29.0	-0.13	0.02	1.00	0.20
03/10/2020 12:40:00	28.9	-0.13	0.02	1.00	0.20
03/10/2020 12:50:00	28.8	-0.13	0.02	1.00	0.20
03/10/2020 13:00:00	28.6	-0.13	0.01	1.00	0.20
03/10/2020 13:10:00	28.5	-0.13	0.01	1.00	0.20
03/10/2020 13:20:00	28.4	-0.14	0.01	1.00	0.20
03/10/2020 13:30:00	28.3	-0.14	0.01	1.00	0.20
03/10/2020 13:40:00	28.1	-0.14	0.01	1.00	0.20
03/10/2020 13:50:00	28.0	-0.14	0.01	1.00	0.20
03/10/2020 14:00:00	27.9	-0.14	0.00	1.00	0.20
03/10/2020 14:10:00	27.8	-0.14	0.00	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
03/10/2020 14:20:00	27.7	-0.14	0.00	1.00	0.20
03/10/2020 14:30:00	27.6	-0.14	0.00	1.00	0.20
03/10/2020 14:40:00	27.5	-0.14	0.00	1.00	0.20
03/10/2020 14:50:00	27.4	-0.14	0.00	1.00	0.20
03/10/2020 15:00:00	27.2	-0.14	0.00	1.00	0.20
03/10/2020 15:10:00	27.1	-0.14	0.00	1.00	0.20
03/10/2020 15:20:00	27.0	-0.14	0.00	1.00	0.20
03/10/2020 15:30:00	26.9	-0.14	0.00	1.00	0.20
03/10/2020 15:40:00	26.8	-0.14	-0.01	1.00	0.20
03/10/2020 15:50:00	26.8	-0.13	-0.01	1.00	0.20
03/10/2020 16:00:00	26.8	-0.13	-0.01	1.00	0.20
03/10/2020 16:10:00	26.8	-0.13	-0.01	1.00	0.20
03/10/2020 16:20:00	26.8	-0.13	-0.01	1.00	0.20
03/10/2020 16:30:00	26.7	-0.13	-0.01	1.00	0.20
03/10/2020 16:40:00	26.7	-0.12	-0.01	1.00	0.20
03/10/2020 16:50:00	26.7	-0.12	0.00	1.00	0.20
03/10/2020 17:00:00	26.7	-0.12	0.00	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
03/10/2020 17:10:00	26.7	-0.12	0.00	1.00	0.20
03/10/2020 17:20:00	26.7	-0.12	0.00	1.00	0.20
03/10/2020 17:30:00	26.6	-0.12	0.00	1.00	0.20
03/10/2020 17:40:00	26.6	-0.12	0.00	1.00	0.20
03/10/2020 17:50:00	26.6	-0.11	0.00	1.00	0.20
03/10/2020 18:00:00	26.6	-0.11	0.00	1.00	0.20
03/10/2020 18:10:00	26.6	-0.11	0.00	1.00	0.20
03/10/2020 18:20:00	26.6	-0.11	0.00	1.00	0.20
03/10/2020 18:30:00	26.6	-0.11	0.00	1.00	0.20
03/10/2020 18:40:00	26.5	-0.11	0.00	1.00	0.20
03/10/2020 18:50:00	26.5	-0.11	0.00	1.00	0.20
03/10/2020 19:00:00	26.5	-0.11	0.00	1.00	0.20
03/10/2020 19:10:00	26.5	-0.11	0.00	1.00	0.20
03/10/2020 19:20:00	26.5	-0.11	0.00	1.00	0.20
03/10/2020 19:30:00	26.5	-0.11	0.00	1.00	0.20
03/10/2020 19:40:00	26.5	-0.11	0.00	1.00	0.20
03/10/2020 19:50:00	26.5	-0.11	0.00	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
03/10/2020 20:00:00	26.5	-0.11	0.00	1.00	0.20
03/10/2020 20:10:00	26.5	-0.10	0.00	1.00	0.20
03/10/2020 20:20:00	26.5	-0.10	0.00	1.00	0.20
03/10/2020 20:30:00	26.5	-0.10	0.00	1.00	0.20
03/10/2020 20:40:00	26.5	-0.10	0.00	1.00	0.20
03/10/2020 20:50:00	26.5	-0.10	0.00	1.00	0.20
03/10/2020 21:00:00	26.5	-0.10	0.00	1.00	0.20
03/10/2020 21:10:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 21:20:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 21:30:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 21:40:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 21:50:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 22:00:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 22:10:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 22:20:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 22:30:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 22:40:00	26.4	-0.10	0.00	1.00	0.20

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**PRESSURE HOLD TEST(PHT) FOR CONDENSOR**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0203/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-203_SP_PC.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-203_SP_D_PC.CV
03/10/2020 22:50:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 23:00:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 23:10:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 23:20:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 23:30:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 23:40:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 23:50:00	26.4	-0.10	0.00	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
01/10/2020 00:00:00	27.7	-0.14	-0.04	1.50	0.20
01/10/2020 00:10:00	27.6	-0.14	-0.04	1.50	0.20
01/10/2020 00:20:00	27.5	-0.14	-0.04	1.50	0.20
01/10/2020 00:30:00	27.3	-0.13	-0.04	1.50	0.20
01/10/2020 00:40:00	27.2	-0.13	-0.04	1.50	0.20
01/10/2020 00:50:00	27.1	-0.13	-0.04	1.50	0.20
01/10/2020 01:00:00	27.0	-0.13	-0.04	1.50	0.20
01/10/2020 01:10:00	26.9	-0.13	-0.04	1.50	0.20
01/10/2020 01:20:00	26.8	-0.13	-0.04	1.50	0.20
01/10/2020 01:30:00	26.7	-0.13	-0.04	1.50	0.20
01/10/2020 01:40:00	26.6	-0.13	-0.04	1.50	0.20
01/10/2020 01:50:00	26.5	-0.13	-0.04	1.50	0.20
01/10/2020 02:00:00	26.4	-0.13	-0.04	1.50	0.20
01/10/2020 02:10:00	26.3	-0.13	-0.04	1.50	0.20
01/10/2020 02:20:00	26.2	-0.13	-0.04	1.50	0.20
01/10/2020 02:30:00	26.1	-0.13	-0.04	1.50	0.20
01/10/2020 02:40:00	26.0	-0.13	-0.04	1.50	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
01/10/2020 02:50:00	25.9	-0.13	-0.04	1.50	0.20
01/10/2020 03:00:00	25.8	-0.13	-0.04	1.50	0.20
01/10/2020 03:10:00	25.7	-0.13	-0.04	1.50	0.20
01/10/2020 03:20:00	25.6	-0.13	-0.04	1.50	0.20
01/10/2020 03:30:00	25.5	-0.13	-0.04	1.50	0.20
01/10/2020 03:40:00	25.4	-0.13	-0.04	1.50	0.20
01/10/2020 03:50:00	25.3	-0.13	-0.04	1.50	0.20
01/10/2020 04:00:00	25.2	-0.13	-0.04	1.50	0.20
01/10/2020 04:10:00	25.2	-0.13	-0.04	1.50	0.20
01/10/2020 04:20:00	25.1	-0.13	-0.04	1.50	0.20
01/10/2020 04:30:00	25.0	-0.13	-0.04	1.50	0.20
01/10/2020 04:40:00	24.9	-0.13	-0.04	1.50	0.20
01/10/2020 04:50:00	24.8	-0.13	-0.04	1.50	0.20
01/10/2020 05:00:00	24.7	-0.13	-0.04	1.50	0.20
01/10/2020 05:10:00	24.6	-0.13	-0.04	1.50	0.20
01/10/2020 05:20:00	24.5	-0.13	-0.04	1.50	0.20
01/10/2020 05:30:00	24.5	-0.13	-0.04	1.50	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
01/10/2020 05:40:00	24.4	-0.13	-0.04	1.50	0.20
01/10/2020 05:50:00	24.3	-0.13	-0.04	1.50	0.20
01/10/2020 06:00:00	24.2	-0.13	-0.04	1.50	0.20
01/10/2020 06:10:00	24.2	-0.13	-0.04	1.50	0.20
01/10/2020 06:20:00	24.1	-0.13	-0.04	1.50	0.20
01/10/2020 06:30:00	24.0	-0.13	-0.04	1.50	0.20
01/10/2020 06:40:00	23.9	-0.13	-0.04	1.50	0.20
01/10/2020 06:50:00	23.9	-0.13	-0.04	1.50	0.20
01/10/2020 07:00:00	23.8	-0.13	-0.04	1.50	0.20
01/10/2020 07:10:00	23.7	-0.13	-0.04	1.50	0.20
01/10/2020 07:20:00	23.6	-0.13	-0.04	1.50	0.20
01/10/2020 07:30:00	23.5	-0.13	-0.04	1.50	0.20
01/10/2020 07:40:00	23.5	-0.13	-0.04	1.50	0.20
01/10/2020 07:50:00	23.4	-0.13	-0.04	1.50	0.20
01/10/2020 08:00:00	23.3	-0.13	-0.04	1.50	0.20
01/10/2020 08:10:00	23.3	-0.13	-0.04	1.50	0.20
01/10/2020 08:20:00	23.2	-0.13	-0.04	1.50	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
01/10/2020 08:30:00	23.1	-0.13	-0.04	1.50	0.20
01/10/2020 08:40:00	23.1	-0.13	-0.04	1.50	0.20
01/10/2020 08:50:00	23.0	-0.13	-0.04	1.50	0.20
01/10/2020 09:00:00	22.9	-0.13	-0.04	1.50	0.20
01/10/2020 09:10:00	22.9	-0.13	-0.04	1.50	0.20
01/10/2020 09:20:00	22.8	-0.13	-0.04	1.50	0.20
01/10/2020 09:30:00	22.7	-0.13	-0.04	1.50	0.20
01/10/2020 09:40:00	22.7	-0.13	-0.04	1.50	0.20
01/10/2020 09:50:00	22.6	-0.13	-0.04	1.50	0.20
01/10/2020 10:00:00	22.5	-0.13	-0.04	1.50	0.20
01/10/2020 10:10:00	22.5	-0.13	-0.04	1.50	0.20
01/10/2020 10:20:00	22.5	-0.13	-0.04	1.50	0.20
01/10/2020 10:30:00	22.5	-0.12	-0.04	1.50	0.20
01/10/2020 10:40:00	22.5	-0.12	-0.04	1.50	0.20
01/10/2020 10:50:00	22.5	-0.12	-0.03	1.50	0.20
01/10/2020 11:00:00	26.2	-0.02	-0.03	1.50	0.20
01/10/2020 11:10:00	26.2	-0.02	-0.03	1.50	0.20

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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
01/10/2020 11:20:00	47.7	0.05	-0.03	1.50	0.20
01/10/2020 11:30:00	85.8	-0.01	-0.03	1.50	0.20
01/10/2020 11:40:00	99.7	0.15	0.13	1.50	0.20
01/10/2020 11:50:00	101.9	0.24	0.17	1.50	0.20
01/10/2020 12:00:00	100.1	0.18	0.18	1.50	0.20
01/10/2020 12:10:00	98.6	0.13	0.18	1.50	0.20
01/10/2020 12:20:00	105.1	0.39	0.20	1.50	0.20
01/10/2020 12:30:00	105.3	0.40	0.20	1.50	0.20
01/10/2020 12:40:00	79.3	1.50	0.17	1.50	0.20
01/10/2020 12:50:00	58.1	1.50	0.14	1.50	0.20
01/10/2020 13:00:00	46.3	1.50	0.12	1.50	0.20
01/10/2020 13:10:00	43.1	1.50	0.10	1.50	0.20
01/10/2020 13:20:00	41.9	1.50	0.08	1.50	0.20
01/10/2020 13:30:00	41.3	1.50	0.06	1.50	0.20
01/10/2020 13:40:00	40.9	1.50	0.05	1.50	0.20
01/10/2020 13:50:00	40.6	1.50	0.03	1.50	0.20
01/10/2020 14:00:00	40.3	1.50	0.02	1.50	0.20

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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
01/10/2020 14:10:00	48.3	0.10	0.02	1.00	0.20
01/10/2020 14:20:00	85.8	0.05	0.01	1.00	0.20
01/10/2020 14:30:00	100.3	0.21	0.15	1.00	0.20
01/10/2020 14:40:00	108.1	0.54	0.18	1.00	0.20
01/10/2020 14:50:00	112.0	0.74	0.21	1.00	0.20
01/10/2020 15:00:00	113.7	0.83	0.22	1.00	0.20
01/10/2020 15:10:00	113.7	0.83	0.22	1.00	0.20
01/10/2020 15:20:00	111.8	0.71	0.22	1.00	0.20
01/10/2020 15:30:00	108.8	0.58	0.22	1.00	0.20
01/10/2020 15:40:00	107.5	0.51	0.21	1.00	0.20
01/10/2020 15:50:00	105.6	1.76	0.20	1.00	0.20
01/10/2020 16:00:00	71.6	1.46	0.17	1.00	0.20
01/10/2020 16:10:00	65.5	1.34	0.14	1.00	0.20
01/10/2020 16:20:00	63.5	1.28	0.12	1.00	0.20
01/10/2020 16:30:00	57.2	-0.02	0.10	1.00	0.20
01/10/2020 16:40:00	50.9	-0.05	0.09	1.00	0.20
01/10/2020 16:50:00	49.3	-0.07	0.08	1.00	0.20

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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
01/10/2020 17:00:00	48.5	-0.09	0.07	1.00	0.20
01/10/2020 17:10:00	48.0	-0.11	0.06	1.00	0.20
01/10/2020 17:20:00	47.7	-0.11	0.06	1.00	0.20
01/10/2020 17:30:00	47.4	-0.12	0.05	1.00	0.20
01/10/2020 17:40:00	47.2	-0.13	0.05	1.00	0.20
01/10/2020 17:50:00	46.9	-0.14	0.05	1.00	0.20
01/10/2020 18:00:00	46.6	-0.14	0.04	1.00	0.20
01/10/2020 18:10:00	46.4	-0.15	0.04	1.00	0.20
01/10/2020 18:20:00	46.2	-0.15	0.04	1.00	0.20
01/10/2020 18:30:00	45.9	-0.15	0.03	1.00	0.20
01/10/2020 18:40:00	45.7	-0.15	0.03	1.00	0.20
01/10/2020 18:50:00	45.5	-0.16	0.03	1.00	0.20
01/10/2020 19:00:00	45.3	-0.16	0.03	1.00	0.20
01/10/2020 19:10:00	45.0	-0.16	0.03	1.00	0.20
01/10/2020 19:20:00	44.8	-0.16	0.02	1.00	0.20
01/10/2020 19:30:00	44.6	-0.16	0.02	1.00	0.20
01/10/2020 19:40:00	44.4	-0.17	0.02	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
01/10/2020 19:50:00	44.2	-0.17	0.02	1.00	0.20
01/10/2020 20:00:00	44.0	-0.17	0.02	1.00	0.20
01/10/2020 20:10:00	43.8	-0.17	0.02	1.00	0.20
01/10/2020 20:20:00	43.6	-0.17	0.02	1.00	0.20
01/10/2020 20:30:00	43.4	-0.17	0.02	1.00	0.20
01/10/2020 20:40:00	43.2	-0.17	0.02	1.00	0.20
01/10/2020 20:50:00	43.1	-0.17	0.01	1.00	0.20
01/10/2020 21:00:00	42.9	-0.17	0.01	1.00	0.20
01/10/2020 21:10:00	42.7	-0.17	0.01	1.00	0.20
01/10/2020 21:20:00	42.5	-0.17	0.01	1.00	0.20
01/10/2020 21:30:00	42.4	-0.17	0.01	1.00	0.20
01/10/2020 21:40:00	42.2	-0.17	0.01	1.00	0.20
01/10/2020 21:50:00	42.1	-0.17	0.01	1.00	0.20
01/10/2020 22:00:00	41.9	-0.17	0.01	1.00	0.20
01/10/2020 22:10:00	41.8	-0.17	0.01	1.00	0.20
01/10/2020 22:20:00	41.6	-0.17	0.01	1.00	0.20
01/10/2020 22:30:00	41.5	-0.17	0.01	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
01/10/2020 22:40:00	41.4	-0.17	0.01	1.00	0.20
01/10/2020 22:50:00	41.2	-0.17	0.01	1.00	0.20
01/10/2020 23:00:00	41.1	-0.17	0.01	1.00	0.20
01/10/2020 23:10:00	41.0	-0.17	0.01	1.00	0.20
01/10/2020 23:20:00	40.8	-0.17	0.01	1.00	0.20
01/10/2020 23:30:00	40.7	-0.17	0.01	1.00	0.20
01/10/2020 23:40:00	40.6	-0.17	0.01	1.00	0.20
01/10/2020 23:50:00	40.4	-0.16	0.01	1.00	0.20
02/10/2020 00:00:00	40.3	-0.16	0.01	1.00	0.20
02/10/2020 00:10:00	40.2	-0.16	0.01	1.00	0.20
02/10/2020 00:20:00	40.1	-0.16	0.01	1.00	0.20
02/10/2020 00:30:00	40.0	-0.16	0.01	1.00	0.20
02/10/2020 00:40:00	39.9	-0.16	0.01	1.00	0.20
02/10/2020 00:50:00	39.8	-0.16	0.01	1.00	0.20
02/10/2020 01:00:00	39.7	-0.16	0.01	1.00	0.20
02/10/2020 01:10:00	39.5	-0.16	0.01	1.00	0.20
02/10/2020 01:20:00	39.4	-0.16	0.01	1.00	0.20

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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
02/10/2020 01:30:00	39.3	-0.16	0.01	1.00	0.20
02/10/2020 01:40:00	39.2	-0.16	0.01	1.00	0.20
02/10/2020 01:50:00	39.1	-0.16	0.01	1.00	0.20
02/10/2020 02:00:00	39.0	-0.16	0.01	1.00	0.20
02/10/2020 02:10:00	38.9	-0.16	0.01	1.00	0.20
02/10/2020 02:20:00	38.8	-0.16	0.01	1.00	0.20
02/10/2020 02:30:00	38.7	-0.16	0.01	1.00	0.20
02/10/2020 02:40:00	38.6	-0.15	0.01	1.00	0.20
02/10/2020 02:50:00	38.6	-0.15	0.01	1.00	0.20
02/10/2020 03:00:00	38.5	-0.15	0.01	1.00	0.20
02/10/2020 03:10:00	38.4	-0.15	0.01	1.00	0.20
02/10/2020 03:20:00	38.3	-0.15	0.01	1.00	0.20
02/10/2020 03:30:00	38.2	-0.15	0.01	1.00	0.20
02/10/2020 03:40:00	38.1	-0.15	0.01	1.00	0.20
02/10/2020 03:50:00	38.0	-0.15	0.01	1.00	0.20
02/10/2020 04:00:00	37.9	-0.15	0.01	1.00	0.20
02/10/2020 04:10:00	37.8	-0.15	0.01	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
02/10/2020 04:20:00	37.7	-0.15	0.01	1.00	0.20
02/10/2020 04:30:00	37.7	-0.15	0.01	1.00	0.20
02/10/2020 04:40:00	37.6	-0.15	0.01	1.00	0.20
02/10/2020 04:50:00	37.5	-0.15	0.01	1.00	0.20
02/10/2020 05:00:00	37.4	-0.15	0.01	1.00	0.20
02/10/2020 05:10:00	37.4	-0.15	0.01	1.00	0.20
02/10/2020 05:20:00	37.3	-0.15	0.01	1.00	0.20
02/10/2020 05:30:00	37.2	-0.15	0.01	1.00	0.20
02/10/2020 05:40:00	37.1	-0.15	0.01	1.00	0.20
02/10/2020 05:50:00	37.0	-0.15	0.01	1.00	0.20
02/10/2020 06:00:00	37.0	-0.15	0.01	1.00	0.20
02/10/2020 06:10:00	36.9	-0.15	0.01	1.00	0.20
02/10/2020 06:20:00	36.8	-0.15	0.01	1.00	0.20
02/10/2020 06:30:00	36.8	-0.15	0.01	1.00	0.20
02/10/2020 06:40:00	36.7	-0.15	0.01	1.00	0.20
02/10/2020 06:50:00	36.6	-0.15	0.01	1.00	0.20
02/10/2020 07:00:00	36.5	-0.14	0.01	1.00	0.20

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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
02/10/2020 07:10:00	36.5	-0.14	0.01	1.00	0.20
02/10/2020 07:20:00	36.4	-0.14	0.01	1.00	0.20
02/10/2020 07:30:00	36.3	-0.14	0.01	1.00	0.20
02/10/2020 07:40:00	36.3	-0.14	0.01	1.00	0.20
02/10/2020 07:50:00	36.2	-0.14	0.01	1.00	0.20
02/10/2020 08:00:00	36.1	-0.14	0.01	1.00	0.20
02/10/2020 08:10:00	36.0	-0.14	0.01	1.00	0.20
02/10/2020 08:20:00	36.0	-0.14	0.01	1.00	0.20
02/10/2020 08:30:00	35.9	-0.14	0.01	1.00	0.20
02/10/2020 08:40:00	35.8	-0.14	0.01	1.00	0.20
02/10/2020 08:50:00	35.8	-0.14	0.01	1.00	0.20
02/10/2020 09:00:00	35.7	-0.14	0.01	1.00	0.20
02/10/2020 09:10:00	35.6	-0.14	0.01	1.00	0.20
02/10/2020 09:20:00	35.6	-0.14	0.01	1.00	0.20
02/10/2020 09:30:00	35.5	-0.14	0.01	1.00	0.20
02/10/2020 09:40:00	35.5	-0.14	0.01	1.00	0.20
02/10/2020 09:50:00	35.4	-0.14	0.01	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
02/10/2020 10:00:00	35.3	-0.14	0.01	1.00	0.20
02/10/2020 10:10:00	35.3	-0.14	0.01	1.00	0.20
02/10/2020 10:20:00	35.2	-0.14	0.01	1.00	0.20
02/10/2020 10:30:00	35.1	-0.14	0.01	1.00	0.20
02/10/2020 10:40:00	35.1	-0.14	0.01	1.00	0.20
02/10/2020 10:50:00	35.0	-0.14	0.01	1.00	0.20
02/10/2020 11:00:00	35.0	-0.14	0.01	1.00	0.20
02/10/2020 11:10:00	34.9	-0.14	0.01	1.00	0.20
02/10/2020 11:20:00	34.8	-0.14	0.01	1.00	0.20
02/10/2020 11:30:00	34.8	-0.14	0.01	1.00	0.20
02/10/2020 11:40:00	34.7	-0.14	0.01	1.00	0.20
02/10/2020 11:50:00	34.7	-0.14	0.01	1.00	0.20
02/10/2020 12:00:00	34.6	-0.14	0.01	1.00	0.20
02/10/2020 12:10:00	34.6	-0.13	0.01	1.00	0.20
02/10/2020 12:20:00	34.5	-0.13	0.01	1.00	0.20
02/10/2020 12:30:00	34.5	-0.13	0.01	1.00	0.20
02/10/2020 12:40:00	34.4	-0.13	0.01	1.00	0.20

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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
02/10/2020 12:50:00	34.3	-0.13	0.01	1.00	0.20
02/10/2020 13:00:00	34.3	-0.13	0.01	1.00	0.20
02/10/2020 13:10:00	34.2	-0.13	0.01	1.00	0.20
02/10/2020 13:20:00	34.2	-0.13	0.01	1.00	0.20
02/10/2020 13:30:00	34.1	-0.13	0.01	1.00	0.20
02/10/2020 13:40:00	34.1	-0.13	0.01	1.00	0.20
02/10/2020 13:50:00	34.1	-0.13	0.01	1.00	0.20
02/10/2020 14:00:00	34.0	-0.13	0.01	1.00	0.20
02/10/2020 14:10:00	34.0	-0.13	0.01	1.00	0.20
02/10/2020 14:20:00	33.9	-0.13	0.01	1.00	0.20
02/10/2020 14:30:00	33.8	-0.13	0.01	1.00	0.20
02/10/2020 14:40:00	33.8	-0.13	0.01	1.00	0.20
02/10/2020 14:50:00	33.8	-0.13	0.01	1.00	0.20
02/10/2020 15:00:00	33.7	-0.13	0.01	1.00	0.20
02/10/2020 15:10:00	33.7	-0.13	0.01	1.00	0.20
02/10/2020 15:20:00	33.6	-0.13	0.01	1.00	0.20
02/10/2020 15:30:00	33.6	-0.13	0.01	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
02/10/2020 15:40:00	33.5	-0.13	0.01	1.00	0.20
02/10/2020 15:50:00	33.5	-0.13	0.01	1.00	0.20
02/10/2020 16:00:00	33.5	-0.13	0.01	1.00	0.20
02/10/2020 16:10:00	33.4	-0.13	0.01	1.00	0.20
02/10/2020 16:20:00	33.4	-0.12	0.01	1.00	0.20
02/10/2020 16:30:00	33.3	-0.12	0.01	1.00	0.20
02/10/2020 16:40:00	33.3	-0.12	0.01	1.00	0.20
02/10/2020 16:50:00	33.2	-0.12	0.01	1.00	0.20
02/10/2020 17:00:00	33.2	-0.12	0.01	1.00	0.20
02/10/2020 17:10:00	33.2	-0.12	0.01	1.00	0.20
02/10/2020 17:20:00	33.1	-0.12	0.01	1.00	0.20
02/10/2020 17:30:00	33.1	-0.12	0.01	1.00	0.20
02/10/2020 17:40:00	33.0	-0.12	0.01	1.00	0.20
02/10/2020 17:50:00	33.0	-0.12	0.01	1.00	0.20
02/10/2020 18:00:00	33.0	-0.12	0.01	1.00	0.20
02/10/2020 18:10:00	32.9	-0.12	0.01	1.00	0.20
02/10/2020 18:20:00	32.9	-0.12	0.01	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
02/10/2020 18:30:00	32.9	-0.12	0.01	1.00	0.20
02/10/2020 18:40:00	32.8	-0.12	0.01	1.00	0.20
02/10/2020 18:50:00	32.8	-0.12	0.01	1.00	0.20
02/10/2020 19:00:00	32.7	-0.12	0.01	1.00	0.20
02/10/2020 19:10:00	32.7	-0.12	0.01	1.00	0.20
02/10/2020 19:20:00	32.7	-0.12	0.01	1.00	0.20
02/10/2020 19:30:00	32.6	-0.12	0.01	1.00	0.20
02/10/2020 19:40:00	32.6	-0.12	0.01	1.00	0.20
02/10/2020 19:50:00	32.5	-0.12	0.01	1.00	0.20
02/10/2020 20:00:00	32.5	-0.12	0.01	1.00	0.20
02/10/2020 20:10:00	32.5	-0.12	0.01	1.00	0.20
02/10/2020 20:20:00	32.4	-0.12	0.01	1.00	0.20
02/10/2020 20:30:00	32.4	-0.12	0.01	1.00	0.20
02/10/2020 20:40:00	32.4	-0.12	0.01	1.00	0.20
02/10/2020 20:50:00	32.4	-0.12	0.01	1.00	0.20
02/10/2020 21:00:00	32.3	-0.12	0.01	1.00	0.20
02/10/2020 21:10:00	32.3	-0.12	0.01	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
02/10/2020 21:20:00	32.3	-0.12	0.01	1.00	0.20
02/10/2020 21:30:00	32.2	-0.12	0.01	1.00	0.20
02/10/2020 21:40:00	32.2	-0.12	0.01	1.00	0.20
02/10/2020 21:50:00	32.2	-0.12	0.01	1.00	0.20
02/10/2020 22:00:00	32.1	-0.12	0.01	1.00	0.20
02/10/2020 22:10:00	32.1	-0.12	0.01	1.00	0.20
02/10/2020 22:20:00	32.1	-0.12	0.01	1.00	0.20
02/10/2020 22:30:00	32.0	-0.12	0.01	1.00	0.20
02/10/2020 22:40:00	32.0	-0.12	0.01	1.00	0.20
02/10/2020 22:50:00	32.0	-0.12	0.01	1.00	0.20
02/10/2020 23:00:00	32.0	-0.12	0.01	1.00	0.20
02/10/2020 23:10:00	31.9	-0.12	0.01	1.00	0.20
02/10/2020 23:20:00	31.9	-0.12	0.01	1.00	0.20
02/10/2020 23:30:00	31.9	-0.12	0.01	1.00	0.20
02/10/2020 23:40:00	31.8	-0.12	0.01	1.00	0.20
02/10/2020 23:50:00	31.8	-0.11	0.01	1.00	0.20
03/10/2020 00:00:00	31.8	-0.11	0.01	1.00	0.20

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
03/10/2020 00:10:00	31.7	-0.11	0.01	1.00	0.20
03/10/2020 00:20:00	31.7	-0.11	0.01	1.00	0.20
03/10/2020 00:30:00	31.7	-0.11	0.01	1.00	0.20
03/10/2020 00:40:00	31.7	-0.11	0.01	1.00	0.20
03/10/2020 00:50:00	31.6	-0.11	0.01	1.00	0.20
03/10/2020 01:00:00	31.6	-0.11	0.01	1.00	0.20
03/10/2020 01:10:00	31.6	-0.11	0.01	1.00	0.20
03/10/2020 01:20:00	31.5	-0.11	0.01	1.00	0.20
03/10/2020 01:30:00	31.5	-0.11	0.01	1.00	0.20
03/10/2020 01:40:00	31.5	-0.11	0.01	1.00	0.20
03/10/2020 01:50:00	31.5	-0.11	0.01	1.00	0.20
03/10/2020 02:00:00	31.4	-0.11	0.01	1.00	0.20
03/10/2020 02:10:00	31.4	-0.11	0.01	1.00	0.20
03/10/2020 02:20:00	31.4	-0.11	0.01	1.00	0.20
03/10/2020 02:30:00	31.4	-0.11	0.01	1.00	0.20
03/10/2020 02:40:00	31.3	-0.11	0.01	1.00	0.20
03/10/2020 02:50:00	31.3	-0.11	0.01	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
03/10/2020 03:00:00	31.3	-0.11	0.01	1.00	0.20
03/10/2020 03:10:00	31.3	-0.11	0.01	1.00	0.20
03/10/2020 03:20:00	31.3	-0.11	0.01	1.00	0.20
03/10/2020 03:30:00	31.2	-0.11	0.01	1.00	0.20
03/10/2020 03:40:00	31.2	-0.11	0.01	1.00	0.20
03/10/2020 03:50:00	31.2	-0.11	0.01	1.00	0.20
03/10/2020 04:00:00	31.1	-0.11	0.01	1.00	0.20
03/10/2020 04:10:00	31.1	-0.11	0.01	1.00	0.20
03/10/2020 04:20:00	31.1	-0.11	0.01	1.00	0.20
03/10/2020 04:30:00	31.1	-0.11	0.01	1.00	0.20
03/10/2020 04:40:00	31.1	-0.11	0.01	1.00	0.20
03/10/2020 04:50:00	31.0	-0.11	0.01	1.00	0.20
03/10/2020 05:00:00	31.0	-0.11	0.01	1.00	0.20
03/10/2020 05:10:00	31.0	-0.11	0.01	1.00	0.20
03/10/2020 05:20:00	31.0	-0.11	0.01	1.00	0.20
03/10/2020 05:30:00	30.9	-0.11	0.01	1.00	0.20
03/10/2020 05:40:00	30.9	-0.11	0.01	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
03/10/2020 05:50:00	30.9	-0.11	0.01	1.00	0.20
03/10/2020 06:00:00	30.9	-0.11	0.01	1.00	0.20
03/10/2020 06:10:00	30.8	-0.11	0.01	1.00	0.20
03/10/2020 06:20:00	30.8	-0.11	0.01	1.00	0.20
03/10/2020 06:30:00	30.8	-0.11	0.01	1.00	0.20
03/10/2020 06:40:00	30.8	-0.11	0.01	1.00	0.20
03/10/2020 06:50:00	30.7	-0.11	0.01	1.00	0.20
03/10/2020 07:00:00	30.7	-0.11	0.01	1.00	0.20
03/10/2020 07:10:00	30.7	-0.11	0.01	1.00	0.20
03/10/2020 07:20:00	30.7	-0.11	0.01	1.00	0.20
03/10/2020 07:30:00	30.6	-0.11	0.01	1.00	0.20
03/10/2020 07:40:00	30.6	-0.11	0.01	1.00	0.20
03/10/2020 07:50:00	30.6	-0.11	0.01	1.00	0.20
03/10/2020 08:00:00	30.6	-0.10	0.01	1.00	0.20
03/10/2020 08:10:00	30.6	-0.10	0.01	1.00	0.20
03/10/2020 08:20:00	30.5	-0.10	0.01	1.00	0.20
03/10/2020 08:30:00	30.5	-0.10	0.01	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
03/10/2020 08:40:00	30.5	-0.10	0.01	1.00	0.20
03/10/2020 08:50:00	30.5	-0.10	0.01	1.00	0.20
03/10/2020 09:00:00	30.5	-0.10	0.01	1.00	0.20
03/10/2020 09:10:00	30.5	-0.10	0.01	1.00	0.20
03/10/2020 09:20:00	30.4	-0.10	0.01	1.00	0.20
03/10/2020 09:30:00	30.4	-0.10	0.01	1.00	0.20
03/10/2020 09:40:00	30.4	-0.10	0.01	1.00	0.20
03/10/2020 09:50:00	30.4	-0.10	0.01	1.00	0.20
03/10/2020 10:00:00	30.4	-0.10	0.01	1.00	0.20
03/10/2020 10:10:00	30.3	-0.10	0.01	1.00	0.20
03/10/2020 10:20:00	30.3	-0.10	0.01	1.00	0.20
03/10/2020 10:30:00	30.3	-0.10	0.01	1.00	0.20
03/10/2020 10:40:00	30.3	-0.10	0.01	1.00	0.20
03/10/2020 10:50:00	30.3	-0.10	0.01	1.00	0.20
03/10/2020 11:00:00	30.2	-0.10	0.01	1.00	0.20
03/10/2020 11:10:00	30.0	-0.11	0.00	1.00	0.20
03/10/2020 11:20:00	29.9	-0.11	0.00	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
03/10/2020 11:30:00	29.8	-0.12	-0.01	1.00	0.20
03/10/2020 11:40:00	29.7	-0.12	-0.01	1.00	0.20
03/10/2020 11:50:00	29.5	-0.12	-0.02	1.00	0.20
03/10/2020 12:00:00	29.4	-0.12	-0.02	1.00	0.20
03/10/2020 12:10:00	29.3	-0.13	-0.02	1.00	0.20
03/10/2020 12:20:00	29.2	-0.13	-0.03	1.00	0.20
03/10/2020 12:30:00	29.0	-0.13	-0.03	1.00	0.20
03/10/2020 12:40:00	28.9	-0.13	-0.03	1.00	0.20
03/10/2020 12:50:00	28.8	-0.13	-0.03	1.00	0.20
03/10/2020 13:00:00	28.6	-0.13	-0.03	1.00	0.20
03/10/2020 13:10:00	28.5	-0.13	-0.03	1.00	0.20
03/10/2020 13:20:00	28.4	-0.14	-0.03	1.00	0.20
03/10/2020 13:30:00	28.3	-0.14	-0.03	1.00	0.20
03/10/2020 13:40:00	28.1	-0.14	-0.03	1.00	0.20
03/10/2020 13:50:00	28.0	-0.14	-0.03	1.00	0.20
03/10/2020 14:00:00	27.9	-0.14	-0.04	1.00	0.20
03/10/2020 14:10:00	27.8	-0.14	-0.04	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
03/10/2020 14:20:00	27.7	-0.14	-0.04	1.00	0.20
03/10/2020 14:30:00	27.6	-0.14	-0.04	1.00	0.20
03/10/2020 14:40:00	27.5	-0.14	-0.04	1.00	0.20
03/10/2020 14:50:00	27.4	-0.14	-0.04	1.00	0.20
03/10/2020 15:00:00	27.2	-0.14	-0.04	1.00	0.20
03/10/2020 15:10:00	27.1	-0.14	-0.03	1.00	0.20
03/10/2020 15:20:00	27.0	-0.14	-0.04	1.00	0.20
03/10/2020 15:30:00	26.9	-0.14	-0.03	1.00	0.20
03/10/2020 15:40:00	26.8	-0.14	-0.04	1.00	0.20
03/10/2020 15:50:00	26.8	-0.13	-0.03	1.00	0.20
03/10/2020 16:00:00	26.8	-0.13	-0.03	1.00	0.20
03/10/2020 16:10:00	26.8	-0.13	-0.03	1.00	0.20
03/10/2020 16:20:00	26.8	-0.13	-0.03	1.00	0.20
03/10/2020 16:30:00	26.7	-0.13	-0.03	1.00	0.20
03/10/2020 16:40:00	26.7	-0.12	-0.03	1.00	0.20
03/10/2020 16:50:00	26.7	-0.12	-0.03	1.00	0.20
03/10/2020 17:00:00	26.7	-0.12	-0.02	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
03/10/2020 17:10:00	26.7	-0.12	-0.02	1.00	0.20
03/10/2020 17:20:00	26.7	-0.12	-0.02	1.00	0.20
03/10/2020 17:30:00	26.6	-0.12	-0.02	1.00	0.20
03/10/2020 17:40:00	26.6	-0.12	-0.02	1.00	0.20
03/10/2020 17:50:00	26.6	-0.11	-0.02	1.00	0.20
03/10/2020 18:00:00	26.6	-0.11	-0.02	1.00	0.20
03/10/2020 18:10:00	26.6	-0.11	-0.02	1.00	0.20
03/10/2020 18:20:00	26.6	-0.11	-0.02	1.00	0.20
03/10/2020 18:30:00	26.6	-0.11	-0.01	1.00	0.20
03/10/2020 18:40:00	26.5	-0.11	-0.01	1.00	0.20
03/10/2020 18:50:00	26.5	-0.11	-0.01	1.00	0.20
03/10/2020 19:00:00	26.5	-0.11	-0.01	1.00	0.20
03/10/2020 19:10:00	26.5	-0.11	-0.01	1.00	0.20
03/10/2020 19:20:00	26.5	-0.11	-0.01	1.00	0.20
03/10/2020 19:30:00	26.5	-0.11	-0.01	1.00	0.20
03/10/2020 19:40:00	26.5	-0.11	-0.01	1.00	0.20
03/10/2020 19:50:00	26.5	-0.11	-0.01	1.00	0.20

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
03/10/2020 20:00:00	26.5	-0.11	-0.01	1.00	0.20
03/10/2020 20:10:00	26.5	-0.10	-0.01	1.00	0.20
03/10/2020 20:20:00	26.5	-0.10	-0.01	1.00	0.20
03/10/2020 20:30:00	26.5	-0.10	-0.01	1.00	0.20
03/10/2020 20:40:00	26.5	-0.10	-0.01	1.00	0.20
03/10/2020 20:50:00	26.5	-0.10	-0.01	1.00	0.20
03/10/2020 21:00:00	26.5	-0.10	-0.01	1.00	0.20
03/10/2020 21:10:00	26.4	-0.10	-0.01	1.00	0.20
03/10/2020 21:20:00	26.4	-0.10	-0.01	1.00	0.20
03/10/2020 21:30:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 21:40:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 21:50:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 22:00:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 22:10:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 22:20:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 22:30:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 22:40:00	26.4	-0.10	0.00	1.00	0.20

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Print Date & Time: -12/10/2020 21:41:09		Page 663 of 905

**PRESSURE HOLD TEST(PHT) FOR EXHAUST HEATER**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	VESSEL PRESSURE (PICR-0201) SYN-PICR/PID1/PV.CV	PRESSURE PICR-0204/PV.CV	PRESSURE SP (PHT-PI01) 200-RPT/PICR-204_SP_PH.CV	ALLOWABLE PRESSURE DROP SP (PHT-APD01) 200-RPT/PICR-204_SP_D_PH.CV
03/10/2020 22:50:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 23:00:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 23:10:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 23:20:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 23:30:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 23:40:00	26.4	-0.10	0.00	1.00	0.20
03/10/2020 23:50:00	26.4	-0.10	0.00	1.00	0.20

DEMO APP

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<b>INDEPENDENT ACID LINE STERILIZATION (IACLS)</b>		
<b>DATE &amp; TIME</b>	<b>ACID DRAIN TEMP TICR-0207/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV</b>
01/10/2020 00:00:00	16.4	121.0
01/10/2020 00:10:00	16.4	121.0
01/10/2020 00:20:00	16.4	121.0
01/10/2020 00:30:00	16.4	121.0
01/10/2020 00:40:00	16.3	121.0
01/10/2020 00:50:00	16.3	121.0
01/10/2020 01:00:00	16.3	121.0
01/10/2020 01:10:00	16.3	121.0
01/10/2020 01:20:00	16.3	121.0
01/10/2020 01:30:00	16.2	121.0
01/10/2020 01:40:00	16.2	121.0
01/10/2020 01:50:00	16.2	121.0
01/10/2020 02:00:00	16.2	121.0
01/10/2020 02:10:00	16.2	121.0
01/10/2020 02:20:00	16.1	121.0
01/10/2020 02:30:00	16.1	121.0
01/10/2020 02:40:00	16.1	121.0
01/10/2020 02:50:00	16.1	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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INDEPENDENT ACID LINE STERILIZATION (IACLS)		
DATE & TIME	ACID DRAIN TEMP TICR-0207/PV.CV	STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV
01/10/2020 03:00:00	16.0	121.0
01/10/2020 03:10:00	16.0	121.0
01/10/2020 03:20:00	16.0	121.0
01/10/2020 03:30:00	16.0	121.0
01/10/2020 03:40:00	16.0	121.0
01/10/2020 03:50:00	15.9	121.0
01/10/2020 04:00:00	15.9	121.0
01/10/2020 04:10:00	15.9	121.0
01/10/2020 04:20:00	15.9	121.0
01/10/2020 04:30:00	15.9	121.0
01/10/2020 04:40:00	15.9	121.0
01/10/2020 04:50:00	15.8	121.0
01/10/2020 05:00:00	15.8	121.0
01/10/2020 05:10:00	15.8	121.0
01/10/2020 05:20:00	15.8	121.0
01/10/2020 05:30:00	15.8	121.0
01/10/2020 05:40:00	15.8	121.0
01/10/2020 05:50:00	15.8	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:10		Page 666 of 905

**INDEPENDENT ACID LINE STERILIZATION (IACLS)**

DATE & TIME	ACID DRAIN TEMP TICR-0207/PV.CV	STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV
01/10/2020 06:00:00	15.7	121.0
01/10/2020 06:10:00	15.7	121.0
01/10/2020 06:20:00	15.7	121.0
01/10/2020 06:30:00	15.7	121.0
01/10/2020 06:40:00	15.7	121.0
01/10/2020 06:50:00	15.7	121.0
01/10/2020 07:00:00	15.7	121.0
01/10/2020 07:10:00	15.7	121.0
01/10/2020 07:20:00	15.7	121.0
01/10/2020 07:30:00	15.6	121.0
01/10/2020 07:40:00	15.6	121.0
01/10/2020 07:50:00	15.6	121.0
01/10/2020 08:00:00	15.6	121.0
01/10/2020 08:10:00	15.6	121.0
01/10/2020 08:20:00	15.6	121.0
01/10/2020 08:30:00	15.6	121.0
01/10/2020 08:40:00	15.6	121.0
01/10/2020 08:50:00	15.6	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>INDEPENDENT ACID LINE STERILIZATION (IACLS)</b>		
<b>DATE &amp; TIME</b>	<b>ACID DRAIN TEMP TICR-0207/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV</b>
01/10/2020 09:00:00	15.6	121.0
01/10/2020 09:10:00	15.6	121.0
01/10/2020 09:20:00	15.5	121.0
01/10/2020 09:30:00	15.6	121.0
01/10/2020 09:40:00	15.5	121.0
01/10/2020 09:50:00	15.6	121.0
01/10/2020 10:00:00	15.6	121.0
01/10/2020 10:10:00	15.6	121.0
01/10/2020 10:20:00	15.7	121.0
01/10/2020 10:30:00	16.2	121.0
01/10/2020 10:40:00	16.8	121.0
01/10/2020 10:50:00	17.5	121.0
01/10/2020 11:00:00	18.1	121.0
01/10/2020 11:10:00	18.7	121.0
01/10/2020 11:20:00	19.2	121.0
01/10/2020 11:30:00	20.0	121.0
01/10/2020 11:40:00	98.5	121.0
01/10/2020 11:50:00	55.0	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**INDEPENDENT ACID LINE STERILIZATION (IACLS)**

DATE & TIME	ACID DRAIN TEMP TICR-0207/PV.CV	STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV
01/10/2020 12:00:00	35.6	121.0
01/10/2020 12:10:00	29.4	121.0
01/10/2020 12:20:00	104.3	121.0
01/10/2020 12:30:00	104.4	121.0
01/10/2020 12:40:00	50.6	121.0
01/10/2020 12:50:00	34.0	121.0
01/10/2020 13:00:00	28.6	121.0
01/10/2020 13:10:00	25.8	121.0
01/10/2020 13:20:00	24.1	121.0
01/10/2020 13:30:00	23.0	121.0
01/10/2020 13:40:00	22.2	121.0
01/10/2020 13:50:00	21.6	121.0
01/10/2020 14:00:00	21.1	121.0
01/10/2020 14:10:00	20.8	121.0
01/10/2020 14:20:00	21.1	121.0
01/10/2020 14:30:00	99.9	121.0
01/10/2020 14:40:00	107.5	121.0
01/10/2020 14:50:00	111.3	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

INDEPENDENT ACID LINE STERILIZATION (IACLS)		
DATE & TIME	ACID DRAIN TEMP TICR-0207/PV.CV	STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV
01/10/2020 15:00:00	112.9	121.0
01/10/2020 15:10:00	105.7	121.0
01/10/2020 15:20:00	50.8	121.0
01/10/2020 15:30:00	108.2	121.0
01/10/2020 15:40:00	62.7	121.0
01/10/2020 15:50:00	85.5	121.0
01/10/2020 16:00:00	42.5	121.0
01/10/2020 16:10:00	32.8	121.0
01/10/2020 16:20:00	30.2	121.0
01/10/2020 16:30:00	28.6	121.0
01/10/2020 16:40:00	27.6	121.0
01/10/2020 16:50:00	26.9	121.0
01/10/2020 17:00:00	26.5	121.0
01/10/2020 17:10:00	26.2	121.0
01/10/2020 17:20:00	26.1	121.0
01/10/2020 17:30:00	26.0	121.0
01/10/2020 17:40:00	26.0	121.0
01/10/2020 17:50:00	26.0	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:10		Page 670 of 905

<b>INDEPENDENT ACID LINE STERILIZATION (IACLS)</b>		
<b>DATE &amp; TIME</b>	<b>ACID DRAIN TEMP TICR-0207/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV</b>
01/10/2020 18:00:00	26.0	121.0
01/10/2020 18:10:00	26.0	121.0
01/10/2020 18:20:00	26.1	121.0
01/10/2020 18:30:00	26.1	121.0
01/10/2020 18:40:00	26.1	121.0
01/10/2020 18:50:00	26.2	121.0
01/10/2020 19:00:00	26.2	121.0
01/10/2020 19:10:00	26.2	121.0
01/10/2020 19:20:00	26.3	121.0
01/10/2020 19:30:00	26.3	121.0
01/10/2020 19:40:00	26.4	121.0
01/10/2020 19:50:00	26.4	121.0
01/10/2020 20:00:00	26.5	121.0
01/10/2020 20:10:00	26.5	121.0
01/10/2020 20:20:00	26.5	121.0
01/10/2020 20:30:00	26.6	121.0
01/10/2020 20:40:00	26.6	121.0
01/10/2020 20:50:00	26.7	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:10		Page 671 of 905

<b>INDEPENDENT ACID LINE STERILIZATION (IACLS)</b>		
<b>DATE &amp; TIME</b>	<b>ACID DRAIN TEMP TICR-0207/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV</b>
01/10/2020 21:00:00	26.7	121.0
01/10/2020 21:10:00	26.7	121.0
01/10/2020 21:20:00	26.8	121.0
01/10/2020 21:30:00	26.8	121.0
01/10/2020 21:40:00	26.8	121.0
01/10/2020 21:50:00	26.9	121.0
01/10/2020 22:00:00	26.9	121.0
01/10/2020 22:10:00	26.9	121.0
01/10/2020 22:20:00	27.0	121.0
01/10/2020 22:30:00	27.0	121.0
01/10/2020 22:40:00	27.0	121.0
01/10/2020 22:50:00	27.1	121.0
01/10/2020 23:00:00	27.1	121.0
01/10/2020 23:10:00	27.1	121.0
01/10/2020 23:20:00	27.1	121.0
01/10/2020 23:30:00	27.2	121.0
01/10/2020 23:40:00	27.2	121.0
01/10/2020 23:50:00	27.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:10		Page 672 of 905



**INDEPENDENT ACID LINE STERILIZATION (IACLS)**

DATE & TIME	ACID DRAIN TEMP TICR-0207/PV.CV	STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV
02/10/2020 00:00:00	27.2	121.0
02/10/2020 00:10:00	27.2	121.0
02/10/2020 00:20:00	27.3	121.0
02/10/2020 00:30:00	27.3	121.0
02/10/2020 00:40:00	27.3	121.0
02/10/2020 00:50:00	27.3	121.0
02/10/2020 01:00:00	27.3	121.0
02/10/2020 01:10:00	27.3	121.0
02/10/2020 01:20:00	27.4	121.0
02/10/2020 01:30:00	27.4	121.0
02/10/2020 01:40:00	27.4	121.0
02/10/2020 01:50:00	27.4	121.0
02/10/2020 02:00:00	27.4	121.0
02/10/2020 02:10:00	27.4	121.0
02/10/2020 02:20:00	27.4	121.0
02/10/2020 02:30:00	27.4	121.0
02/10/2020 02:40:00	27.5	121.0
02/10/2020 02:50:00	27.5	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>INDEPENDENT ACID LINE STERILIZATION (IACLS)</b>		
<b>DATE &amp; TIME</b>	<b>ACID DRAIN TEMP TICR-0207/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV</b>
02/10/2020 03:00:00	27.5	121.0
02/10/2020 03:10:00	27.5	121.0
02/10/2020 03:20:00	27.5	121.0
02/10/2020 03:30:00	27.5	121.0
02/10/2020 03:40:00	27.5	121.0
02/10/2020 03:50:00	27.5	121.0
02/10/2020 04:00:00	27.5	121.0
02/10/2020 04:10:00	27.5	121.0
02/10/2020 04:20:00	27.5	121.0
02/10/2020 04:30:00	27.6	121.0
02/10/2020 04:40:00	27.6	121.0
02/10/2020 04:50:00	27.6	121.0
02/10/2020 05:00:00	27.6	121.0
02/10/2020 05:10:00	27.6	121.0
02/10/2020 05:20:00	27.6	121.0
02/10/2020 05:30:00	27.6	121.0
02/10/2020 05:40:00	27.6	121.0
02/10/2020 05:50:00	27.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:10		Page 674 of 905

INDEPENDENT ACID LINE STERILIZATION (IACLS)		
DATE & TIME	ACID DRAIN TEMP TICR-0207/PV.CV	STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV
02/10/2020 06:00:00	27.6	121.0
02/10/2020 06:10:00	27.6	121.0
02/10/2020 06:20:00	27.6	121.0
02/10/2020 06:30:00	27.6	121.0
02/10/2020 06:40:00	27.6	121.0
02/10/2020 06:50:00	27.6	121.0
02/10/2020 07:00:00	27.6	121.0
02/10/2020 07:10:00	27.6	121.0
02/10/2020 07:20:00	27.6	121.0
02/10/2020 07:30:00	27.6	121.0
02/10/2020 07:40:00	27.6	121.0
02/10/2020 07:50:00	27.5	121.0
02/10/2020 08:00:00	27.5	121.0
02/10/2020 08:10:00	27.5	121.0
02/10/2020 08:20:00	27.4	121.0
02/10/2020 08:30:00	27.4	121.0
02/10/2020 08:40:00	27.3	121.0
02/10/2020 08:50:00	27.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:10		Page 675 of 905

<b>INDEPENDENT ACID LINE STERILIZATION (IACLS)</b>		
<b>DATE &amp; TIME</b>	<b>ACID DRAIN TEMP TICR-0207/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV</b>
02/10/2020 09:00:00	27.3	121.0
02/10/2020 09:10:00	27.2	121.0
02/10/2020 09:20:00	27.2	121.0
02/10/2020 09:30:00	27.2	121.0
02/10/2020 09:40:00	27.2	121.0
02/10/2020 09:50:00	27.2	121.0
02/10/2020 10:00:00	27.1	121.0
02/10/2020 10:10:00	27.1	121.0
02/10/2020 10:20:00	27.1	121.0
02/10/2020 10:30:00	27.1	121.0
02/10/2020 10:40:00	27.1	121.0
02/10/2020 10:50:00	27.1	121.0
02/10/2020 11:00:00	27.1	121.0
02/10/2020 11:10:00	27.1	121.0
02/10/2020 11:20:00	27.1	121.0
02/10/2020 11:30:00	27.1	121.0
02/10/2020 11:40:00	27.1	121.0
02/10/2020 11:50:00	27.1	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:10		Page 676 of 905

INDEPENDENT ACID LINE STERILIZATION (IACLS)		
DATE & TIME	ACID DRAIN TEMP TICR-0207/PV.CV	STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV
02/10/2020 12:00:00	27.1	121.0
02/10/2020 12:10:00	27.1	121.0
02/10/2020 12:20:00	27.1	121.0
02/10/2020 12:30:00	27.1	121.0
02/10/2020 12:40:00	27.1	121.0
02/10/2020 12:50:00	27.1	121.0
02/10/2020 13:00:00	27.1	121.0
02/10/2020 13:10:00	27.1	121.0
02/10/2020 13:20:00	27.1	121.0
02/10/2020 13:30:00	27.1	121.0
02/10/2020 13:40:00	27.2	121.0
02/10/2020 13:50:00	27.2	121.0
02/10/2020 14:00:00	27.2	121.0
02/10/2020 14:10:00	27.2	121.0
02/10/2020 14:20:00	27.2	121.0
02/10/2020 14:30:00	27.2	121.0
02/10/2020 14:40:00	27.2	121.0
02/10/2020 14:50:00	27.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:10		Page 677 of 905

INDEPENDENT ACID LINE STERILIZATION (IACLS)		
DATE & TIME	ACID DRAIN TEMP TICR-0207/PV.CV	STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV
02/10/2020 15:00:00	27.2	121.0
02/10/2020 15:10:00	27.2	121.0
02/10/2020 15:20:00	27.2	121.0
02/10/2020 15:30:00	27.2	121.0
02/10/2020 15:40:00	27.2	121.0
02/10/2020 15:50:00	27.3	121.0
02/10/2020 16:00:00	27.3	121.0
02/10/2020 16:10:00	27.3	121.0
02/10/2020 16:20:00	27.3	121.0
02/10/2020 16:30:00	27.3	121.0
02/10/2020 16:40:00	27.3	121.0
02/10/2020 16:50:00	27.3	121.0
02/10/2020 17:00:00	27.3	121.0
02/10/2020 17:10:00	27.3	121.0
02/10/2020 17:20:00	27.3	121.0
02/10/2020 17:30:00	27.3	121.0
02/10/2020 17:40:00	27.3	121.0
02/10/2020 17:50:00	27.4	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:10		Page 678 of 905

<b>INDEPENDENT ACID LINE STERILIZATION (IACLS)</b>		
<b>DATE &amp; TIME</b>	<b>ACID DRAIN TEMP TICR-0207/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV</b>
02/10/2020 18:00:00	27.4	121.0
02/10/2020 18:10:00	27.4	121.0
02/10/2020 18:20:00	27.4	121.0
02/10/2020 18:30:00	27.4	121.0
02/10/2020 18:40:00	27.4	121.0
02/10/2020 18:50:00	27.4	121.0
02/10/2020 19:00:00	27.4	121.0
02/10/2020 19:10:00	27.4	121.0
02/10/2020 19:20:00	27.4	121.0
02/10/2020 19:30:00	27.4	121.0
02/10/2020 19:40:00	27.4	121.0
02/10/2020 19:50:00	27.4	121.0
02/10/2020 20:00:00	27.4	121.0
02/10/2020 20:10:00	27.4	121.0
02/10/2020 20:20:00	27.4	121.0
02/10/2020 20:30:00	27.5	121.0
02/10/2020 20:40:00	27.5	121.0
02/10/2020 20:50:00	27.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:10		Page 679 of 905

<b>INDEPENDENT ACID LINE STERILIZATION (IACLS)</b>		
<b>DATE &amp; TIME</b>	<b>ACID DRAIN TEMP TICR-0207/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV</b>
02/10/2020 21:00:00	27.5	121.0
02/10/2020 21:10:00	27.5	121.0
02/10/2020 21:20:00	27.5	121.0
02/10/2020 21:30:00	27.5	121.0
02/10/2020 21:40:00	27.5	121.0
02/10/2020 21:50:00	27.5	121.0
02/10/2020 22:00:00	27.5	121.0
02/10/2020 22:10:00	27.5	121.0
02/10/2020 22:20:00	27.5	121.0
02/10/2020 22:30:00	27.5	121.0
02/10/2020 22:40:00	27.5	121.0
02/10/2020 22:50:00	27.5	121.0
02/10/2020 23:00:00	27.5	121.0
02/10/2020 23:10:00	27.5	121.0
02/10/2020 23:20:00	27.5	121.0
02/10/2020 23:30:00	27.5	121.0
02/10/2020 23:40:00	27.5	121.0
02/10/2020 23:50:00	27.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:10		Page 680 of 905



INDEPENDENT ACID LINE STERILIZATION (IACLS)		
DATE & TIME	ACID DRAIN TEMP TICR-0207/PV.CV	STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV
03/10/2020 00:00:00	27.5	121.0
03/10/2020 00:10:00	27.5	121.0
03/10/2020 00:20:00	27.4	121.0
03/10/2020 00:30:00	27.5	121.0
03/10/2020 00:40:00	27.4	121.0
03/10/2020 00:50:00	27.5	121.0
03/10/2020 01:00:00	27.4	121.0
03/10/2020 01:10:00	27.4	121.0
03/10/2020 01:20:00	27.4	121.0
03/10/2020 01:30:00	27.4	121.0
03/10/2020 01:40:00	27.4	121.0
03/10/2020 01:50:00	27.4	121.0
03/10/2020 02:00:00	27.4	121.0
03/10/2020 02:10:00	27.4	121.0
03/10/2020 02:20:00	27.4	121.0
03/10/2020 02:30:00	27.4	121.0
03/10/2020 02:40:00	27.4	121.0
03/10/2020 02:50:00	27.4	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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INDEPENDENT ACID LINE STERILIZATION (IACLS)		
DATE & TIME	ACID DRAIN TEMP TICR-0207/PV.CV	STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV
03/10/2020 03:00:00	27.4	121.0
03/10/2020 03:10:00	27.4	121.0
03/10/2020 03:20:00	27.4	121.0
03/10/2020 03:30:00	27.4	121.0
03/10/2020 03:40:00	27.3	121.0
03/10/2020 03:50:00	27.3	121.0
03/10/2020 04:00:00	27.3	121.0
03/10/2020 04:10:00	27.3	121.0
03/10/2020 04:20:00	27.3	121.0
03/10/2020 04:30:00	27.3	121.0
03/10/2020 04:40:00	27.3	121.0
03/10/2020 04:50:00	27.3	121.0
03/10/2020 05:00:00	27.3	121.0
03/10/2020 05:10:00	27.3	121.0
03/10/2020 05:20:00	27.3	121.0
03/10/2020 05:30:00	27.3	121.0
03/10/2020 05:40:00	27.3	121.0
03/10/2020 05:50:00	27.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:10		Page 682 of 905

<b>INDEPENDENT ACID LINE STERILIZATION (IACLS)</b>		
<b>DATE &amp; TIME</b>	<b>ACID DRAIN TEMP TICR-0207/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV</b>
03/10/2020 06:00:00	27.2	121.0
03/10/2020 06:10:00	27.2	121.0
03/10/2020 06:20:00	27.2	121.0
03/10/2020 06:30:00	27.2	121.0
03/10/2020 06:40:00	27.2	121.0
03/10/2020 06:50:00	27.2	121.0
03/10/2020 07:00:00	27.2	121.0
03/10/2020 07:10:00	27.2	121.0
03/10/2020 07:20:00	27.1	121.0
03/10/2020 07:30:00	27.1	121.0
03/10/2020 07:40:00	27.1	121.0
03/10/2020 07:50:00	27.1	121.0
03/10/2020 08:00:00	27.1	121.0
03/10/2020 08:10:00	27.1	121.0
03/10/2020 08:20:00	27.1	121.0
03/10/2020 08:30:00	27.1	121.0
03/10/2020 08:40:00	27.1	121.0
03/10/2020 08:50:00	27.1	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:10		Page 683 of 905

**INDEPENDENT ACID LINE STERILIZATION (IACLS)**

DATE & TIME	ACID DRAIN TEMP TICR-0207/PV.CV	STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV
03/10/2020 09:00:00	27.1	121.0
03/10/2020 09:10:00	27.1	121.0
03/10/2020 09:20:00	27.1	121.0
03/10/2020 09:30:00	27.1	121.0
03/10/2020 09:40:00	27.2	121.0
03/10/2020 09:50:00	27.2	121.0
03/10/2020 10:00:00	27.2	121.0
03/10/2020 10:10:00	27.2	121.0
03/10/2020 10:20:00	27.2	121.0
03/10/2020 10:30:00	27.2	121.0
03/10/2020 10:40:00	27.2	121.0
03/10/2020 10:50:00	27.2	121.0
03/10/2020 11:00:00	26.8	121.0
03/10/2020 11:10:00	25.0	121.0
03/10/2020 11:20:00	23.4	121.0
03/10/2020 11:30:00	22.2	121.0
03/10/2020 11:40:00	21.3	121.0
03/10/2020 11:50:00	20.6	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

INDEPENDENT ACID LINE STERILIZATION (IACLS)		
DATE & TIME	ACID DRAIN TEMP TICR-0207/PV.CV	STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV
03/10/2020 12:00:00	20.0	121.0
03/10/2020 12:10:00	19.5	121.0
03/10/2020 12:20:00	19.1	121.0
03/10/2020 12:30:00	18.8	121.0
03/10/2020 12:40:00	18.5	121.0
03/10/2020 12:50:00	18.3	121.0
03/10/2020 13:00:00	18.1	121.0
03/10/2020 13:10:00	17.9	121.0
03/10/2020 13:20:00	17.8	121.0
03/10/2020 13:30:00	17.7	121.0
03/10/2020 13:40:00	17.5	121.0
03/10/2020 13:50:00	17.5	121.0
03/10/2020 14:00:00	17.5	121.0
03/10/2020 14:10:00	17.5	121.0
03/10/2020 14:20:00	17.4	121.0
03/10/2020 14:30:00	17.5	121.0
03/10/2020 14:40:00	17.6	121.0
03/10/2020 14:50:00	17.7	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:10		Page 685 of 905

<b>INDEPENDENT ACID LINE STERILIZATION (IACLS)</b>		
<b>DATE &amp; TIME</b>	<b>ACID DRAIN TEMP TICR-0207/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV</b>
03/10/2020 15:00:00	17.7	121.0
03/10/2020 15:10:00	17.7	121.0
03/10/2020 15:20:00	17.7	121.0
03/10/2020 15:30:00	17.7	121.0
03/10/2020 15:40:00	17.7	121.0
03/10/2020 15:50:00	18.1	121.0
03/10/2020 16:00:00	18.8	121.0
03/10/2020 16:10:00	19.4	121.0
03/10/2020 16:20:00	20.0	121.0
03/10/2020 16:30:00	20.5	121.0
03/10/2020 16:40:00	20.9	121.0
03/10/2020 16:50:00	21.3	121.0
03/10/2020 17:00:00	21.6	121.0
03/10/2020 17:10:00	21.9	121.0
03/10/2020 17:20:00	22.1	121.0
03/10/2020 17:30:00	22.4	121.0
03/10/2020 17:40:00	22.6	121.0
03/10/2020 17:50:00	22.8	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:10		Page 686 of 905

**INDEPENDENT ACID LINE STERILIZATION (IACLS)**

DATE & TIME	ACID DRAIN TEMP TICR-0207/PV.CV	STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV
03/10/2020 18:00:00	23.1	121.0
03/10/2020 18:10:00	23.2	121.0
03/10/2020 18:20:00	23.5	121.0
03/10/2020 18:30:00	23.7	121.0
03/10/2020 18:40:00	23.9	121.0
03/10/2020 18:50:00	24.1	121.0
03/10/2020 19:00:00	24.2	121.0
03/10/2020 19:10:00	24.3	121.0
03/10/2020 19:20:00	24.5	121.0
03/10/2020 19:30:00	24.6	121.0
03/10/2020 19:40:00	24.7	121.0
03/10/2020 19:50:00	24.8	121.0
03/10/2020 20:00:00	24.9	121.0
03/10/2020 20:10:00	25.0	121.0
03/10/2020 20:20:00	25.0	121.0
03/10/2020 20:30:00	25.1	121.0
03/10/2020 20:40:00	25.2	121.0
03/10/2020 20:50:00	25.2	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**INDEPENDENT ACID LINE STERILIZATION (IACLS)**

DATE & TIME	ACID DRAIN TEMP TICR-0207/PV.CV	STERILIZATION TEMPERATURE SP (IACLS-ST01) 200-RPT/TICR-207_SP_IACL.CV
03/10/2020 21:00:00	25.3	121.0
03/10/2020 21:10:00	25.4	121.0
03/10/2020 21:20:00	25.4	121.0
03/10/2020 21:30:00	25.5	121.0
03/10/2020 21:40:00	25.5	121.0
03/10/2020 21:50:00	25.6	121.0
03/10/2020 22:00:00	25.6	121.0
03/10/2020 22:10:00	25.7	121.0
03/10/2020 22:20:00	25.7	121.0
03/10/2020 22:30:00	25.8	121.0
03/10/2020 22:40:00	25.8	121.0
03/10/2020 22:50:00	25.9	121.0
03/10/2020 23:00:00	25.9	121.0
03/10/2020 23:10:00	26.0	121.0
03/10/2020 23:20:00	26.0	121.0
03/10/2020 23:30:00	26.0	121.0
03/10/2020 23:40:00	26.1	121.0
03/10/2020 23:50:00	26.1	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



<b>INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)</b>		
<b>DATE &amp; TIME</b>	<b>ALKALI DRAIN TEMP TICR-0208/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV</b>
01/10/2020 00:00:00	15.6	121.0
01/10/2020 00:10:00	15.6	121.0
01/10/2020 00:20:00	15.5	121.0
01/10/2020 00:30:00	15.6	121.0
01/10/2020 00:40:00	15.5	121.0
01/10/2020 00:50:00	15.4	121.0
01/10/2020 01:00:00	15.4	121.0
01/10/2020 01:10:00	15.4	121.0
01/10/2020 01:20:00	15.4	121.0
01/10/2020 01:30:00	15.4	121.0
01/10/2020 01:40:00	15.4	121.0
01/10/2020 01:50:00	15.3	121.0
01/10/2020 02:00:00	15.3	121.0
01/10/2020 02:10:00	15.3	121.0
01/10/2020 02:20:00	15.3	121.0
01/10/2020 02:30:00	15.2	121.0
01/10/2020 02:40:00	15.2	121.0
01/10/2020 02:50:00	15.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 689 of 905

**INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)**

DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
01/10/2020 03:00:00	15.1	121.0
01/10/2020 03:10:00	15.1	121.0
01/10/2020 03:20:00	15.1	121.0
01/10/2020 03:30:00	15.1	121.0
01/10/2020 03:40:00	15.1	121.0
01/10/2020 03:50:00	15.1	121.0
01/10/2020 04:00:00	15.1	121.0
01/10/2020 04:10:00	15.0	121.0
01/10/2020 04:20:00	15.0	121.0
01/10/2020 04:30:00	15.0	121.0
01/10/2020 04:40:00	15.0	121.0
01/10/2020 04:50:00	14.9	121.0
01/10/2020 05:00:00	14.9	121.0
01/10/2020 05:10:00	14.9	121.0
01/10/2020 05:20:00	14.9	121.0
01/10/2020 05:30:00	14.9	121.0
01/10/2020 05:40:00	14.8	121.0
01/10/2020 05:50:00	14.8	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)		
DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
01/10/2020 06:00:00	14.8	121.0
01/10/2020 06:10:00	14.8	121.0
01/10/2020 06:20:00	14.8	121.0
01/10/2020 06:30:00	14.8	121.0
01/10/2020 06:40:00	14.8	121.0
01/10/2020 06:50:00	14.8	121.0
01/10/2020 07:00:00	14.8	121.0
01/10/2020 07:10:00	14.8	121.0
01/10/2020 07:20:00	14.7	121.0
01/10/2020 07:30:00	14.7	121.0
01/10/2020 07:40:00	14.7	121.0
01/10/2020 07:50:00	14.7	121.0
01/10/2020 08:00:00	14.7	121.0
01/10/2020 08:10:00	14.7	121.0
01/10/2020 08:20:00	14.7	121.0
01/10/2020 08:30:00	14.7	121.0
01/10/2020 08:40:00	14.7	121.0
01/10/2020 08:50:00	14.7	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 691 of 905

<b>INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)</b>		
<b>DATE &amp; TIME</b>	<b>ALKALI DRAIN TEMP TICR-0208/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV</b>
01/10/2020 09:00:00	14.7	121.0
01/10/2020 09:10:00	14.6	121.0
01/10/2020 09:20:00	14.6	121.0
01/10/2020 09:30:00	14.6	121.0
01/10/2020 09:40:00	14.6	121.0
01/10/2020 09:50:00	14.6	121.0
01/10/2020 10:00:00	14.6	121.0
01/10/2020 10:10:00	14.6	121.0
01/10/2020 10:20:00	15.0	121.0
01/10/2020 10:30:00	15.7	121.0
01/10/2020 10:40:00	16.4	121.0
01/10/2020 10:50:00	17.2	121.0
01/10/2020 11:00:00	17.7	121.0
01/10/2020 11:10:00	18.0	121.0
01/10/2020 11:20:00	18.3	121.0
01/10/2020 11:30:00	18.8	121.0
01/10/2020 11:40:00	98.5	121.0
01/10/2020 11:50:00	52.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 692 of 905

INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)		
DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
01/10/2020 12:00:00	34.2	121.0
01/10/2020 12:10:00	28.8	121.0
01/10/2020 12:20:00	103.9	121.0
01/10/2020 12:30:00	104.0	121.0
01/10/2020 12:40:00	48.9	121.0
01/10/2020 12:50:00	35.4	121.0
01/10/2020 13:00:00	29.7	121.0
01/10/2020 13:10:00	26.7	121.0
01/10/2020 13:20:00	24.8	121.0
01/10/2020 13:30:00	23.5	121.0
01/10/2020 13:40:00	22.7	121.0
01/10/2020 13:50:00	22.1	121.0
01/10/2020 14:00:00	21.7	121.0
01/10/2020 14:10:00	21.4	121.0
01/10/2020 14:20:00	21.2	121.0
01/10/2020 14:30:00	99.5	121.0
01/10/2020 14:40:00	107.2	121.0
01/10/2020 14:50:00	111.0	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 693 of 905

**INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)**

DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
01/10/2020 15:00:00	112.6	121.0
01/10/2020 15:10:00	105.4	121.0
01/10/2020 15:20:00	49.1	121.0
01/10/2020 15:30:00	107.8	121.0
01/10/2020 15:40:00	61.2	121.0
01/10/2020 15:50:00	84.7	121.0
01/10/2020 16:00:00	42.7	121.0
01/10/2020 16:10:00	33.9	121.0
01/10/2020 16:20:00	31.2	121.0
01/10/2020 16:30:00	29.3	121.0
01/10/2020 16:40:00	28.2	121.0
01/10/2020 16:50:00	27.4	121.0
01/10/2020 17:00:00	26.9	121.0
01/10/2020 17:10:00	26.6	121.0
01/10/2020 17:20:00	26.4	121.0
01/10/2020 17:30:00	26.3	121.0
01/10/2020 17:40:00	26.3	121.0
01/10/2020 17:50:00	26.2	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)		
DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
01/10/2020 18:00:00	26.1	121.0
01/10/2020 18:10:00	26.1	121.0
01/10/2020 18:20:00	26.2	121.0
01/10/2020 18:30:00	26.3	121.0
01/10/2020 18:40:00	26.3	121.0
01/10/2020 18:50:00	26.4	121.0
01/10/2020 19:00:00	26.4	121.0
01/10/2020 19:10:00	26.5	121.0
01/10/2020 19:20:00	26.5	121.0
01/10/2020 19:30:00	26.6	121.0
01/10/2020 19:40:00	26.6	121.0
01/10/2020 19:50:00	26.6	121.0
01/10/2020 20:00:00	26.7	121.0
01/10/2020 20:10:00	26.7	121.0
01/10/2020 20:20:00	26.8	121.0
01/10/2020 20:30:00	26.8	121.0
01/10/2020 20:40:00	26.8	121.0
01/10/2020 20:50:00	26.9	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 695 of 905

INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)		
DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
01/10/2020 21:00:00	26.9	121.0
01/10/2020 21:10:00	26.9	121.0
01/10/2020 21:20:00	27.0	121.0
01/10/2020 21:30:00	27.0	121.0
01/10/2020 21:40:00	27.0	121.0
01/10/2020 21:50:00	27.1	121.0
01/10/2020 22:00:00	27.1	121.0
01/10/2020 22:10:00	27.1	121.0
01/10/2020 22:20:00	27.2	121.0
01/10/2020 22:30:00	27.2	121.0
01/10/2020 22:40:00	27.2	121.0
01/10/2020 22:50:00	27.2	121.0
01/10/2020 23:00:00	27.3	121.0
01/10/2020 23:10:00	27.3	121.0
01/10/2020 23:20:00	27.3	121.0
01/10/2020 23:30:00	27.3	121.0
01/10/2020 23:40:00	27.4	121.0
01/10/2020 23:50:00	27.4	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 696 of 905



<b>INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)</b>		
<b>DATE &amp; TIME</b>	<b>ALKALI DRAIN TEMP TICR-0208/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV</b>
02/10/2020 00:00:00	27.4	121.0
02/10/2020 00:10:00	27.4	121.0
02/10/2020 00:20:00	27.5	121.0
02/10/2020 00:30:00	27.5	121.0
02/10/2020 00:40:00	27.5	121.0
02/10/2020 00:50:00	27.5	121.0
02/10/2020 01:00:00	27.5	121.0
02/10/2020 01:10:00	27.5	121.0
02/10/2020 01:20:00	27.5	121.0
02/10/2020 01:30:00	27.6	121.0
02/10/2020 01:40:00	27.6	121.0
02/10/2020 01:50:00	27.6	121.0
02/10/2020 02:00:00	27.6	121.0
02/10/2020 02:10:00	27.6	121.0
02/10/2020 02:20:00	27.6	121.0
02/10/2020 02:30:00	27.6	121.0
02/10/2020 02:40:00	27.6	121.0
02/10/2020 02:50:00	27.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 697 of 905

<b>INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)</b>		
<b>DATE &amp; TIME</b>	<b>ALKALI DRAIN TEMP TICR-0208/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV</b>
02/10/2020 03:00:00	27.6	121.0
02/10/2020 03:10:00	27.6	121.0
02/10/2020 03:20:00	27.6	121.0
02/10/2020 03:30:00	27.6	121.0
02/10/2020 03:40:00	27.6	121.0
02/10/2020 03:50:00	27.6	121.0
02/10/2020 04:00:00	27.7	121.0
02/10/2020 04:10:00	27.7	121.0
02/10/2020 04:20:00	27.7	121.0
02/10/2020 04:30:00	27.7	121.0
02/10/2020 04:40:00	27.7	121.0
02/10/2020 04:50:00	27.7	121.0
02/10/2020 05:00:00	27.7	121.0
02/10/2020 05:10:00	27.6	121.0
02/10/2020 05:20:00	27.7	121.0
02/10/2020 05:30:00	27.7	121.0
02/10/2020 05:40:00	27.7	121.0
02/10/2020 05:50:00	27.7	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 698 of 905

**INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)**

DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
02/10/2020 06:00:00	27.7	121.0
02/10/2020 06:10:00	27.7	121.0
02/10/2020 06:20:00	27.7	121.0
02/10/2020 06:30:00	27.6	121.0
02/10/2020 06:40:00	27.7	121.0
02/10/2020 06:50:00	27.7	121.0
02/10/2020 07:00:00	27.7	121.0
02/10/2020 07:10:00	27.7	121.0
02/10/2020 07:20:00	27.6	121.0
02/10/2020 07:30:00	27.6	121.0
02/10/2020 07:40:00	27.6	121.0
02/10/2020 07:50:00	27.5	121.0
02/10/2020 08:00:00	27.5	121.0
02/10/2020 08:10:00	27.4	121.0
02/10/2020 08:20:00	27.4	121.0
02/10/2020 08:30:00	27.4	121.0
02/10/2020 08:40:00	27.3	121.0
02/10/2020 08:50:00	27.3	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)</b>		
<b>DATE &amp; TIME</b>	<b>ALKALI DRAIN TEMP TICR-0208/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV</b>
02/10/2020 09:00:00	27.2	121.0
02/10/2020 09:10:00	27.2	121.0
02/10/2020 09:20:00	27.2	121.0
02/10/2020 09:30:00	27.2	121.0
02/10/2020 09:40:00	27.1	121.0
02/10/2020 09:50:00	27.1	121.0
02/10/2020 10:00:00	27.1	121.0
02/10/2020 10:10:00	27.1	121.0
02/10/2020 10:20:00	27.1	121.0
02/10/2020 10:30:00	27.1	121.0
02/10/2020 10:40:00	27.1	121.0
02/10/2020 10:50:00	27.1	121.0
02/10/2020 11:00:00	27.1	121.0
02/10/2020 11:10:00	27.1	121.0
02/10/2020 11:20:00	27.1	121.0
02/10/2020 11:30:00	27.1	121.0
02/10/2020 11:40:00	27.1	121.0
02/10/2020 11:50:00	27.1	121.0

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Print Date & Time: -12/10/2020 21:41:12		Page 700 of 905

INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)		
DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
02/10/2020 12:00:00	27.1	121.0
02/10/2020 12:10:00	27.1	121.0
02/10/2020 12:20:00	27.1	121.0
02/10/2020 12:30:00	27.1	121.0
02/10/2020 12:40:00	27.1	121.0
02/10/2020 12:50:00	27.1	121.0
02/10/2020 13:00:00	27.1	121.0
02/10/2020 13:10:00	27.1	121.0
02/10/2020 13:20:00	27.1	121.0
02/10/2020 13:30:00	27.1	121.0
02/10/2020 13:40:00	27.1	121.0
02/10/2020 13:50:00	27.1	121.0
02/10/2020 14:00:00	27.1	121.0
02/10/2020 14:10:00	27.2	121.0
02/10/2020 14:20:00	27.2	121.0
02/10/2020 14:30:00	27.2	121.0
02/10/2020 14:40:00	27.2	121.0
02/10/2020 14:50:00	27.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 701 of 905

INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)		
DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
02/10/2020 15:00:00	27.2	121.0
02/10/2020 15:10:00	27.2	121.0
02/10/2020 15:20:00	27.2	121.0
02/10/2020 15:30:00	27.2	121.0
02/10/2020 15:40:00	27.2	121.0
02/10/2020 15:50:00	27.2	121.0
02/10/2020 16:00:00	27.2	121.0
02/10/2020 16:10:00	27.3	121.0
02/10/2020 16:20:00	27.3	121.0
02/10/2020 16:30:00	27.3	121.0
02/10/2020 16:40:00	27.3	121.0
02/10/2020 16:50:00	27.3	121.0
02/10/2020 17:00:00	27.3	121.0
02/10/2020 17:10:00	27.3	121.0
02/10/2020 17:20:00	27.3	121.0
02/10/2020 17:30:00	27.3	121.0
02/10/2020 17:40:00	27.3	121.0
02/10/2020 17:50:00	27.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 702 of 905

**INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)**

DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
02/10/2020 18:00:00	27.3	121.0
02/10/2020 18:10:00	27.4	121.0
02/10/2020 18:20:00	27.4	121.0
02/10/2020 18:30:00	27.4	121.0
02/10/2020 18:40:00	27.4	121.0
02/10/2020 18:50:00	27.4	121.0
02/10/2020 19:00:00	27.4	121.0
02/10/2020 19:10:00	27.4	121.0
02/10/2020 19:20:00	27.4	121.0
02/10/2020 19:30:00	27.4	121.0
02/10/2020 19:40:00	27.4	121.0
02/10/2020 19:50:00	27.4	121.0
02/10/2020 20:00:00	27.4	121.0
02/10/2020 20:10:00	27.4	121.0
02/10/2020 20:20:00	27.4	121.0
02/10/2020 20:30:00	27.4	121.0
02/10/2020 20:40:00	27.4	121.0
02/10/2020 20:50:00	27.4	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)		
DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
02/10/2020 21:00:00	27.4	121.0
02/10/2020 21:10:00	27.4	121.0
02/10/2020 21:20:00	27.4	121.0
02/10/2020 21:30:00	27.4	121.0
02/10/2020 21:40:00	27.4	121.0
02/10/2020 21:50:00	27.4	121.0
02/10/2020 22:00:00	27.4	121.0
02/10/2020 22:10:00	27.4	121.0
02/10/2020 22:20:00	27.4	121.0
02/10/2020 22:30:00	27.4	121.0
02/10/2020 22:40:00	27.4	121.0
02/10/2020 22:50:00	27.4	121.0
02/10/2020 23:00:00	27.4	121.0
02/10/2020 23:10:00	27.4	121.0
02/10/2020 23:20:00	27.4	121.0
02/10/2020 23:30:00	27.4	121.0
02/10/2020 23:40:00	27.4	121.0
02/10/2020 23:50:00	27.4	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 704 of 905



INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)		
DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
03/10/2020 00:00:00	27.4	121.0
03/10/2020 00:10:00	27.4	121.0
03/10/2020 00:20:00	27.4	121.0
03/10/2020 00:30:00	27.4	121.0
03/10/2020 00:40:00	27.4	121.0
03/10/2020 00:50:00	27.4	121.0
03/10/2020 01:00:00	27.4	121.0
03/10/2020 01:10:00	27.4	121.0
03/10/2020 01:20:00	27.4	121.0
03/10/2020 01:30:00	27.4	121.0
03/10/2020 01:40:00	27.4	121.0
03/10/2020 01:50:00	27.4	121.0
03/10/2020 02:00:00	27.4	121.0
03/10/2020 02:10:00	27.3	121.0
03/10/2020 02:20:00	27.3	121.0
03/10/2020 02:30:00	27.3	121.0
03/10/2020 02:40:00	27.3	121.0
03/10/2020 02:50:00	27.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 705 of 905

INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)		
DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
03/10/2020 03:00:00	27.3	121.0
03/10/2020 03:10:00	27.3	121.0
03/10/2020 03:20:00	27.3	121.0
03/10/2020 03:30:00	27.3	121.0
03/10/2020 03:40:00	27.3	121.0
03/10/2020 03:50:00	27.3	121.0
03/10/2020 04:00:00	27.3	121.0
03/10/2020 04:10:00	27.3	121.0
03/10/2020 04:20:00	27.3	121.0
03/10/2020 04:30:00	27.3	121.0
03/10/2020 04:40:00	27.3	121.0
03/10/2020 04:50:00	27.3	121.0
03/10/2020 05:00:00	27.2	121.0
03/10/2020 05:10:00	27.2	121.0
03/10/2020 05:20:00	27.2	121.0
03/10/2020 05:30:00	27.2	121.0
03/10/2020 05:40:00	27.2	121.0
03/10/2020 05:50:00	27.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 706 of 905

<b>INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)</b>		
<b>DATE &amp; TIME</b>	<b>ALKALI DRAIN TEMP TICR-0208/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV</b>
03/10/2020 06:00:00	27.2	121.0
03/10/2020 06:10:00	27.2	121.0
03/10/2020 06:20:00	27.2	121.0
03/10/2020 06:30:00	27.2	121.0
03/10/2020 06:40:00	27.2	121.0
03/10/2020 06:50:00	27.1	121.0
03/10/2020 07:00:00	27.1	121.0
03/10/2020 07:10:00	27.1	121.0
03/10/2020 07:20:00	27.1	121.0
03/10/2020 07:30:00	27.1	121.0
03/10/2020 07:40:00	27.1	121.0
03/10/2020 07:50:00	27.1	121.0
03/10/2020 08:00:00	27.1	121.0
03/10/2020 08:10:00	27.1	121.0
03/10/2020 08:20:00	27.0	121.0
03/10/2020 08:30:00	27.1	121.0
03/10/2020 08:40:00	27.0	121.0
03/10/2020 08:50:00	27.1	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 707 of 905

<b>INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)</b>		
<b>DATE &amp; TIME</b>	<b>ALKALI DRAIN TEMP TICR-0208/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV</b>
03/10/2020 09:00:00	27.0	121.0
03/10/2020 09:10:00	27.1	121.0
03/10/2020 09:20:00	27.1	121.0
03/10/2020 09:30:00	27.1	121.0
03/10/2020 09:40:00	27.2	121.0
03/10/2020 09:50:00	27.2	121.0
03/10/2020 10:00:00	27.2	121.0
03/10/2020 10:10:00	27.2	121.0
03/10/2020 10:20:00	27.2	121.0
03/10/2020 10:30:00	27.2	121.0
03/10/2020 10:40:00	27.2	121.0
03/10/2020 10:50:00	27.2	121.0
03/10/2020 11:00:00	26.1	121.0
03/10/2020 11:10:00	24.0	121.0
03/10/2020 11:20:00	22.3	121.0
03/10/2020 11:30:00	21.0	121.0
03/10/2020 11:40:00	20.1	121.0
03/10/2020 11:50:00	19.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 708 of 905

**INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)**

DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
03/10/2020 12:00:00	18.8	121.0
03/10/2020 12:10:00	18.4	121.0
03/10/2020 12:20:00	18.0	121.0
03/10/2020 12:30:00	17.6	121.0
03/10/2020 12:40:00	17.4	121.0
03/10/2020 12:50:00	17.1	121.0
03/10/2020 13:00:00	16.9	121.0
03/10/2020 13:10:00	16.7	121.0
03/10/2020 13:20:00	16.6	121.0
03/10/2020 13:30:00	16.5	121.0
03/10/2020 13:40:00	16.4	121.0
03/10/2020 13:50:00	16.5	121.0
03/10/2020 14:00:00	16.5	121.0
03/10/2020 14:10:00	16.5	121.0
03/10/2020 14:20:00	16.3	121.0
03/10/2020 14:30:00	16.4	121.0
03/10/2020 14:40:00	16.5	121.0
03/10/2020 14:50:00	16.6	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)		
DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
03/10/2020 15:00:00	16.5	121.0
03/10/2020 15:10:00	16.4	121.0
03/10/2020 15:20:00	16.4	121.0
03/10/2020 15:30:00	16.4	121.0
03/10/2020 15:40:00	16.5	121.0
03/10/2020 15:50:00	17.3	121.0
03/10/2020 16:00:00	18.2	121.0
03/10/2020 16:10:00	19.0	121.0
03/10/2020 16:20:00	19.6	121.0
03/10/2020 16:30:00	20.2	121.0
03/10/2020 16:40:00	20.7	121.0
03/10/2020 16:50:00	21.1	121.0
03/10/2020 17:00:00	21.5	121.0
03/10/2020 17:10:00	21.8	121.0
03/10/2020 17:20:00	22.1	121.0
03/10/2020 17:30:00	22.4	121.0
03/10/2020 17:40:00	22.6	121.0
03/10/2020 17:50:00	22.9	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 710 of 905

**INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)**

DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
03/10/2020 18:00:00	23.1	121.0
03/10/2020 18:10:00	23.3	121.0
03/10/2020 18:20:00	23.5	121.0
03/10/2020 18:30:00	23.8	121.0
03/10/2020 18:40:00	23.9	121.0
03/10/2020 18:50:00	24.1	121.0
03/10/2020 19:00:00	24.3	121.0
03/10/2020 19:10:00	24.5	121.0
03/10/2020 19:20:00	24.6	121.0
03/10/2020 19:30:00	24.7	121.0
03/10/2020 19:40:00	24.8	121.0
03/10/2020 19:50:00	24.8	121.0
03/10/2020 20:00:00	24.9	121.0
03/10/2020 20:10:00	24.9	121.0
03/10/2020 20:20:00	25.0	121.0
03/10/2020 20:30:00	25.1	121.0
03/10/2020 20:40:00	25.1	121.0
03/10/2020 20:50:00	25.2	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

INDEPENDENT ALKALI LINE STERILIZATION (IAKLS)		
DATE & TIME	ALKALI DRAIN TEMP TICR-0208/PV.CV	STERILIZATION TEMPERATURE SP (IAKLS-ST01) 200-RPT/TICR-208_SP_IAKL.CV
03/10/2020 21:00:00	25.2	121.0
03/10/2020 21:10:00	25.3	121.0
03/10/2020 21:20:00	25.3	121.0
03/10/2020 21:30:00	25.4	121.0
03/10/2020 21:40:00	25.4	121.0
03/10/2020 21:50:00	25.5	121.0
03/10/2020 22:00:00	25.5	121.0
03/10/2020 22:10:00	25.5	121.0
03/10/2020 22:20:00	25.6	121.0
03/10/2020 22:30:00	25.6	121.0
03/10/2020 22:40:00	25.7	121.0
03/10/2020 22:50:00	25.8	121.0
03/10/2020 23:00:00	25.9	121.0
03/10/2020 23:10:00	25.9	121.0
03/10/2020 23:20:00	26.0	121.0
03/10/2020 23:30:00	26.0	121.0
03/10/2020 23:40:00	26.0	121.0
03/10/2020 23:50:00	26.1	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:12		Page 712 of 905



**INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)**

DATE & TIME	ANTIFOAM DRAIN TEMP TICR-0205/PV.CV	STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV
01/10/2020 00:00:00	16.9	121.0
01/10/2020 00:10:00	16.9	121.0
01/10/2020 00:20:00	16.9	121.0
01/10/2020 00:30:00	16.8	121.0
01/10/2020 00:40:00	16.8	121.0
01/10/2020 00:50:00	16.8	121.0
01/10/2020 01:00:00	16.8	121.0
01/10/2020 01:10:00	16.8	121.0
01/10/2020 01:20:00	16.8	121.0
01/10/2020 01:30:00	16.8	121.0
01/10/2020 01:40:00	16.7	121.0
01/10/2020 01:50:00	16.7	121.0
01/10/2020 02:00:00	16.7	121.0
01/10/2020 02:10:00	16.7	121.0
01/10/2020 02:20:00	16.7	121.0
01/10/2020 02:30:00	16.6	121.0
01/10/2020 02:40:00	16.6	121.0
01/10/2020 02:50:00	16.6	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)</b>		
<b>DATE &amp; TIME</b>	<b>ANTIFOAM DRAIN TEMP TICR-0205/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV</b>
01/10/2020 03:00:00	16.5	121.0
01/10/2020 03:10:00	16.5	121.0
01/10/2020 03:20:00	16.5	121.0
01/10/2020 03:30:00	16.5	121.0
01/10/2020 03:40:00	16.4	121.0
01/10/2020 03:50:00	16.4	121.0
01/10/2020 04:00:00	16.4	121.0
01/10/2020 04:10:00	16.4	121.0
01/10/2020 04:20:00	16.4	121.0
01/10/2020 04:30:00	16.4	121.0
01/10/2020 04:40:00	16.3	121.0
01/10/2020 04:50:00	16.3	121.0
01/10/2020 05:00:00	16.3	121.0
01/10/2020 05:10:00	16.3	121.0
01/10/2020 05:20:00	16.2	121.0
01/10/2020 05:30:00	16.2	121.0
01/10/2020 05:40:00	16.2	121.0
01/10/2020 05:50:00	16.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 714 of 905

INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)		
DATE & TIME	ANTIFOAM DRAIN TEMP TICR-0205/PV.CV	STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV
01/10/2020 06:00:00	16.2	121.0
01/10/2020 06:10:00	16.2	121.0
01/10/2020 06:20:00	16.1	121.0
01/10/2020 06:30:00	16.2	121.0
01/10/2020 06:40:00	16.1	121.0
01/10/2020 06:50:00	16.1	121.0
01/10/2020 07:00:00	16.1	121.0
01/10/2020 07:10:00	16.1	121.0
01/10/2020 07:20:00	16.0	121.0
01/10/2020 07:30:00	16.0	121.0
01/10/2020 07:40:00	16.0	121.0
01/10/2020 07:50:00	16.0	121.0
01/10/2020 08:00:00	16.0	121.0
01/10/2020 08:10:00	16.0	121.0
01/10/2020 08:20:00	16.0	121.0
01/10/2020 08:30:00	16.0	121.0
01/10/2020 08:40:00	16.0	121.0
01/10/2020 08:50:00	16.0	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 715 of 905

<b>INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)</b>		
<b>DATE &amp; TIME</b>	<b>ANTIFOAM DRAIN TEMP TICR-0205/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV</b>
01/10/2020 09:00:00	15.9	121.0
01/10/2020 09:10:00	15.9	121.0
01/10/2020 09:20:00	15.9	121.0
01/10/2020 09:30:00	15.9	121.0
01/10/2020 09:40:00	15.9	121.0
01/10/2020 09:50:00	15.8	121.0
01/10/2020 10:00:00	15.8	121.0
01/10/2020 10:10:00	15.8	121.0
01/10/2020 10:20:00	15.9	121.0
01/10/2020 10:30:00	16.4	121.0
01/10/2020 10:40:00	17.0	121.0
01/10/2020 10:50:00	17.7	121.0
01/10/2020 11:00:00	18.2	121.0
01/10/2020 11:10:00	18.6	121.0
01/10/2020 11:20:00	19.1	121.0
01/10/2020 11:30:00	19.8	121.0
01/10/2020 11:40:00	99.6	121.0
01/10/2020 11:50:00	55.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 716 of 905

**INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)**

DATE & TIME	ANTIFOAM DRAIN TEMP TICR-0205/PV.CV	STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV
01/10/2020 12:00:00	35.7	121.0
01/10/2020 12:10:00	29.2	121.0
01/10/2020 12:20:00	104.7	121.0
01/10/2020 12:30:00	104.8	121.0
01/10/2020 12:40:00	52.0	121.0
01/10/2020 12:50:00	36.1	121.0
01/10/2020 13:00:00	30.0	121.0
01/10/2020 13:10:00	26.8	121.0
01/10/2020 13:20:00	24.8	121.0
01/10/2020 13:30:00	23.5	121.0
01/10/2020 13:40:00	22.6	121.0
01/10/2020 13:50:00	22.0	121.0
01/10/2020 14:00:00	21.6	121.0
01/10/2020 14:10:00	21.2	121.0
01/10/2020 14:20:00	21.4	121.0
01/10/2020 14:30:00	100.5	121.0
01/10/2020 14:40:00	108.2	121.0
01/10/2020 14:50:00	112.0	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)</b>		
<b>DATE &amp; TIME</b>	<b>ANTIFOAM DRAIN TEMP TICR-0205/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV</b>
01/10/2020 15:00:00	113.6	121.0
01/10/2020 15:10:00	101.3	121.0
01/10/2020 15:20:00	51.2	121.0
01/10/2020 15:30:00	108.6	121.0
01/10/2020 15:40:00	64.4	121.0
01/10/2020 15:50:00	87.4	121.0
01/10/2020 16:00:00	44.2	121.0
01/10/2020 16:10:00	33.4	121.0
01/10/2020 16:20:00	30.8	121.0
01/10/2020 16:30:00	29.1	121.0
01/10/2020 16:40:00	28.2	121.0
01/10/2020 16:50:00	27.4	121.0
01/10/2020 17:00:00	26.9	121.0
01/10/2020 17:10:00	26.6	121.0
01/10/2020 17:20:00	26.4	121.0
01/10/2020 17:30:00	26.3	121.0
01/10/2020 17:40:00	26.2	121.0
01/10/2020 17:50:00	26.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 718 of 905

<b>INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)</b>		
<b>DATE &amp; TIME</b>	<b>ANTIFOAM DRAIN TEMP TICR-0205/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV</b>
01/10/2020 18:00:00	26.2	121.0
01/10/2020 18:10:00	26.2	121.0
01/10/2020 18:20:00	26.2	121.0
01/10/2020 18:30:00	26.3	121.0
01/10/2020 18:40:00	26.3	121.0
01/10/2020 18:50:00	26.4	121.0
01/10/2020 19:00:00	26.4	121.0
01/10/2020 19:10:00	26.5	121.0
01/10/2020 19:20:00	26.5	121.0
01/10/2020 19:30:00	26.6	121.0
01/10/2020 19:40:00	26.6	121.0
01/10/2020 19:50:00	26.7	121.0
01/10/2020 20:00:00	26.7	121.0
01/10/2020 20:10:00	26.8	121.0
01/10/2020 20:20:00	26.8	121.0
01/10/2020 20:30:00	26.8	121.0
01/10/2020 20:40:00	26.9	121.0
01/10/2020 20:50:00	26.9	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 719 of 905

INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)		
DATE & TIME	ANTIFOAM DRAIN TEMP TICR-0205/PV.CV	STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV
01/10/2020 21:00:00	27.0	121.0
01/10/2020 21:10:00	27.0	121.0
01/10/2020 21:20:00	27.0	121.0
01/10/2020 21:30:00	27.1	121.0
01/10/2020 21:40:00	27.1	121.0
01/10/2020 21:50:00	27.1	121.0
01/10/2020 22:00:00	27.2	121.0
01/10/2020 22:10:00	27.2	121.0
01/10/2020 22:20:00	27.2	121.0
01/10/2020 22:30:00	27.3	121.0
01/10/2020 22:40:00	27.3	121.0
01/10/2020 22:50:00	27.3	121.0
01/10/2020 23:00:00	27.3	121.0
01/10/2020 23:10:00	27.3	121.0
01/10/2020 23:20:00	27.4	121.0
01/10/2020 23:30:00	27.4	121.0
01/10/2020 23:40:00	27.4	121.0
01/10/2020 23:50:00	27.4	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 720 of 905



<b>INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)</b>		
<b>DATE &amp; TIME</b>	<b>ANTIFOAM DRAIN TEMP TICR-0205/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV</b>
02/10/2020 00:00:00	27.4	121.0
02/10/2020 00:10:00	27.5	121.0
02/10/2020 00:20:00	27.5	121.0
02/10/2020 00:30:00	27.5	121.0
02/10/2020 00:40:00	27.5	121.0
02/10/2020 00:50:00	27.6	121.0
02/10/2020 01:00:00	27.6	121.0
02/10/2020 01:10:00	27.6	121.0
02/10/2020 01:20:00	27.6	121.0
02/10/2020 01:30:00	27.6	121.0
02/10/2020 01:40:00	27.6	121.0
02/10/2020 01:50:00	27.6	121.0
02/10/2020 02:00:00	27.7	121.0
02/10/2020 02:10:00	27.7	121.0
02/10/2020 02:20:00	27.7	121.0
02/10/2020 02:30:00	27.7	121.0
02/10/2020 02:40:00	27.7	121.0
02/10/2020 02:50:00	27.7	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 721 of 905

<b>INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)</b>		
<b>DATE &amp; TIME</b>	<b>ANTIFOAM DRAIN TEMP TICR-0205/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV</b>
02/10/2020 03:00:00	27.7	121.0
02/10/2020 03:10:00	27.8	121.0
02/10/2020 03:20:00	27.8	121.0
02/10/2020 03:30:00	27.8	121.0
02/10/2020 03:40:00	27.8	121.0
02/10/2020 03:50:00	27.8	121.0
02/10/2020 04:00:00	27.8	121.0
02/10/2020 04:10:00	27.8	121.0
02/10/2020 04:20:00	27.8	121.0
02/10/2020 04:30:00	27.8	121.0
02/10/2020 04:40:00	27.8	121.0
02/10/2020 04:50:00	27.8	121.0
02/10/2020 05:00:00	27.8	121.0
02/10/2020 05:10:00	27.8	121.0
02/10/2020 05:20:00	27.8	121.0
02/10/2020 05:30:00	27.8	121.0
02/10/2020 05:40:00	27.8	121.0
02/10/2020 05:50:00	27.8	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 722 of 905

**INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)**

DATE & TIME	ANTIFOAM DRAIN TEMP TICR-0205/PV.CV	STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV
02/10/2020 06:00:00	27.9	121.0
02/10/2020 06:10:00	27.9	121.0
02/10/2020 06:20:00	27.8	121.0
02/10/2020 06:30:00	27.9	121.0
02/10/2020 06:40:00	27.8	121.0
02/10/2020 06:50:00	27.9	121.0
02/10/2020 07:00:00	27.9	121.0
02/10/2020 07:10:00	27.9	121.0
02/10/2020 07:20:00	27.8	121.0
02/10/2020 07:30:00	27.8	121.0
02/10/2020 07:40:00	27.8	121.0
02/10/2020 07:50:00	27.7	121.0
02/10/2020 08:00:00	27.7	121.0
02/10/2020 08:10:00	27.6	121.0
02/10/2020 08:20:00	27.6	121.0
02/10/2020 08:30:00	27.6	121.0
02/10/2020 08:40:00	27.5	121.0
02/10/2020 08:50:00	27.5	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)</b>		
<b>DATE &amp; TIME</b>	<b>ANTIFOAM DRAIN TEMP TICR-0205/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV</b>
02/10/2020 09:00:00	27.4	121.0
02/10/2020 09:10:00	27.4	121.0
02/10/2020 09:20:00	27.4	121.0
02/10/2020 09:30:00	27.3	121.0
02/10/2020 09:40:00	27.3	121.0
02/10/2020 09:50:00	27.3	121.0
02/10/2020 10:00:00	27.3	121.0
02/10/2020 10:10:00	27.3	121.0
02/10/2020 10:20:00	27.2	121.0
02/10/2020 10:30:00	27.3	121.0
02/10/2020 10:40:00	27.2	121.0
02/10/2020 10:50:00	27.2	121.0
02/10/2020 11:00:00	27.3	121.0
02/10/2020 11:10:00	27.2	121.0
02/10/2020 11:20:00	27.2	121.0
02/10/2020 11:30:00	27.2	121.0
02/10/2020 11:40:00	27.2	121.0
02/10/2020 11:50:00	27.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 724 of 905

<b>INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)</b>		
<b>DATE &amp; TIME</b>	<b>ANTIFOAM DRAIN TEMP TICR-0205/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV</b>
02/10/2020 12:00:00	27.3	121.0
02/10/2020 12:10:00	27.2	121.0
02/10/2020 12:20:00	27.3	121.0
02/10/2020 12:30:00	27.3	121.0
02/10/2020 12:40:00	27.3	121.0
02/10/2020 12:50:00	27.3	121.0
02/10/2020 13:00:00	27.3	121.0
02/10/2020 13:10:00	27.3	121.0
02/10/2020 13:20:00	27.3	121.0
02/10/2020 13:30:00	27.3	121.0
02/10/2020 13:40:00	27.3	121.0
02/10/2020 13:50:00	27.3	121.0
02/10/2020 14:00:00	27.3	121.0
02/10/2020 14:10:00	27.3	121.0
02/10/2020 14:20:00	27.3	121.0
02/10/2020 14:30:00	27.4	121.0
02/10/2020 14:40:00	27.4	121.0
02/10/2020 14:50:00	27.4	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 725 of 905

<b>INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)</b>		
<b>DATE &amp; TIME</b>	<b>ANTIFOAM DRAIN TEMP TICR-0205/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV</b>
02/10/2020 15:00:00	27.4	121.0
02/10/2020 15:10:00	27.4	121.0
02/10/2020 15:20:00	27.4	121.0
02/10/2020 15:30:00	27.4	121.0
02/10/2020 15:40:00	27.4	121.0
02/10/2020 15:50:00	27.4	121.0
02/10/2020 16:00:00	27.4	121.0
02/10/2020 16:10:00	27.4	121.0
02/10/2020 16:20:00	27.4	121.0
02/10/2020 16:30:00	27.5	121.0
02/10/2020 16:40:00	27.5	121.0
02/10/2020 16:50:00	27.5	121.0
02/10/2020 17:00:00	27.5	121.0
02/10/2020 17:10:00	27.5	121.0
02/10/2020 17:20:00	27.5	121.0
02/10/2020 17:30:00	27.5	121.0
02/10/2020 17:40:00	27.5	121.0
02/10/2020 17:50:00	27.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 726 of 905

INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)		
DATE & TIME	ANTIFOAM DRAIN TEMP TICR-0205/PV.CV	STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV
02/10/2020 18:00:00	27.5	121.0
02/10/2020 18:10:00	27.5	121.0
02/10/2020 18:20:00	27.5	121.0
02/10/2020 18:30:00	27.5	121.0
02/10/2020 18:40:00	27.6	121.0
02/10/2020 18:50:00	27.6	121.0
02/10/2020 19:00:00	27.6	121.0
02/10/2020 19:10:00	27.6	121.0
02/10/2020 19:20:00	27.6	121.0
02/10/2020 19:30:00	27.6	121.0
02/10/2020 19:40:00	27.6	121.0
02/10/2020 19:50:00	27.6	121.0
02/10/2020 20:00:00	27.6	121.0
02/10/2020 20:10:00	27.6	121.0
02/10/2020 20:20:00	27.6	121.0
02/10/2020 20:30:00	27.6	121.0
02/10/2020 20:40:00	27.6	121.0
02/10/2020 20:50:00	27.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 727 of 905

<b>INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)</b>		
<b>DATE &amp; TIME</b>	<b>ANTIFOAM DRAIN TEMP TICR-0205/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV</b>
02/10/2020 21:00:00	27.6	121.0
02/10/2020 21:10:00	27.6	121.0
02/10/2020 21:20:00	27.6	121.0
02/10/2020 21:30:00	27.6	121.0
02/10/2020 21:40:00	27.6	121.0
02/10/2020 21:50:00	27.6	121.0
02/10/2020 22:00:00	27.6	121.0
02/10/2020 22:10:00	27.6	121.0
02/10/2020 22:20:00	27.6	121.0
02/10/2020 22:30:00	27.6	121.0
02/10/2020 22:40:00	27.6	121.0
02/10/2020 22:50:00	27.6	121.0
02/10/2020 23:00:00	27.6	121.0
02/10/2020 23:10:00	27.6	121.0
02/10/2020 23:20:00	27.6	121.0
02/10/2020 23:30:00	27.6	121.0
02/10/2020 23:40:00	27.6	121.0
02/10/2020 23:50:00	27.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 728 of 905



<b>INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)</b>		
<b>DATE &amp; TIME</b>	<b>ANTIFOAM DRAIN TEMP TICR-0205/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV</b>
03/10/2020 00:00:00	27.6	121.0
03/10/2020 00:10:00	27.6	121.0
03/10/2020 00:20:00	27.6	121.0
03/10/2020 00:30:00	27.6	121.0
03/10/2020 00:40:00	27.6	121.0
03/10/2020 00:50:00	27.6	121.0
03/10/2020 01:00:00	27.6	121.0
03/10/2020 01:10:00	27.6	121.0
03/10/2020 01:20:00	27.6	121.0
03/10/2020 01:30:00	27.6	121.0
03/10/2020 01:40:00	27.6	121.0
03/10/2020 01:50:00	27.6	121.0
03/10/2020 02:00:00	27.6	121.0
03/10/2020 02:10:00	27.6	121.0
03/10/2020 02:20:00	27.5	121.0
03/10/2020 02:30:00	27.5	121.0
03/10/2020 02:40:00	27.5	121.0
03/10/2020 02:50:00	27.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 729 of 905

INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)		
DATE & TIME	ANTIFOAM DRAIN TEMP TICR-0205/PV.CV	STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV
03/10/2020 03:00:00	27.5	121.0
03/10/2020 03:10:00	27.5	121.0
03/10/2020 03:20:00	27.5	121.0
03/10/2020 03:30:00	27.5	121.0
03/10/2020 03:40:00	27.5	121.0
03/10/2020 03:50:00	27.5	121.0
03/10/2020 04:00:00	27.5	121.0
03/10/2020 04:10:00	27.5	121.0
03/10/2020 04:20:00	27.5	121.0
03/10/2020 04:30:00	27.5	121.0
03/10/2020 04:40:00	27.5	121.0
03/10/2020 04:50:00	27.5	121.0
03/10/2020 05:00:00	27.5	121.0
03/10/2020 05:10:00	27.4	121.0
03/10/2020 05:20:00	27.4	121.0
03/10/2020 05:30:00	27.4	121.0
03/10/2020 05:40:00	27.4	121.0
03/10/2020 05:50:00	27.4	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 730 of 905

<b>INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)</b>		
<b>DATE &amp; TIME</b>	<b>ANTIFOAM DRAIN TEMP TICR-0205/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV</b>
03/10/2020 06:00:00	27.4	121.0
03/10/2020 06:10:00	27.4	121.0
03/10/2020 06:20:00	27.4	121.0
03/10/2020 06:30:00	27.4	121.0
03/10/2020 06:40:00	27.3	121.0
03/10/2020 06:50:00	27.3	121.0
03/10/2020 07:00:00	27.3	121.0
03/10/2020 07:10:00	27.3	121.0
03/10/2020 07:20:00	27.3	121.0
03/10/2020 07:30:00	27.3	121.0
03/10/2020 07:40:00	27.3	121.0
03/10/2020 07:50:00	27.3	121.0
03/10/2020 08:00:00	27.3	121.0
03/10/2020 08:10:00	27.3	121.0
03/10/2020 08:20:00	27.2	121.0
03/10/2020 08:30:00	27.2	121.0
03/10/2020 08:40:00	27.2	121.0
03/10/2020 08:50:00	27.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 731 of 905

<b>INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)</b>		
<b>DATE &amp; TIME</b>	<b>ANTIFOAM DRAIN TEMP TICR-0205/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV</b>
03/10/2020 09:00:00	27.2	121.0
03/10/2020 09:10:00	27.3	121.0
03/10/2020 09:20:00	27.3	121.0
03/10/2020 09:30:00	27.3	121.0
03/10/2020 09:40:00	27.3	121.0
03/10/2020 09:50:00	27.3	121.0
03/10/2020 10:00:00	27.3	121.0
03/10/2020 10:10:00	27.4	121.0
03/10/2020 10:20:00	27.3	121.0
03/10/2020 10:30:00	27.4	121.0
03/10/2020 10:40:00	27.4	121.0
03/10/2020 10:50:00	27.4	121.0
03/10/2020 11:00:00	26.9	121.0
03/10/2020 11:10:00	25.0	121.0
03/10/2020 11:20:00	23.5	121.0
03/10/2020 11:30:00	22.3	121.0
03/10/2020 11:40:00	21.4	121.0
03/10/2020 11:50:00	20.7	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 732 of 905

INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)		
DATE & TIME	ANTIFOAM DRAIN TEMP TICR-0205/PV.CV	STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV
03/10/2020 12:00:00	20.1	121.0
03/10/2020 12:10:00	19.6	121.0
03/10/2020 12:20:00	19.3	121.0
03/10/2020 12:30:00	18.9	121.0
03/10/2020 12:40:00	18.7	121.0
03/10/2020 12:50:00	18.5	121.0
03/10/2020 13:00:00	18.3	121.0
03/10/2020 13:10:00	18.2	121.0
03/10/2020 13:20:00	18.1	121.0
03/10/2020 13:30:00	18.0	121.0
03/10/2020 13:40:00	17.8	121.0
03/10/2020 13:50:00	17.8	121.0
03/10/2020 14:00:00	17.8	121.0
03/10/2020 14:10:00	17.8	121.0
03/10/2020 14:20:00	17.8	121.0
03/10/2020 14:30:00	17.8	121.0
03/10/2020 14:40:00	17.9	121.0
03/10/2020 14:50:00	17.9	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 733 of 905

**INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)**

DATE & TIME	ANTIFOAM DRAIN TEMP TICR-0205/PV.CV	STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV
03/10/2020 15:00:00	17.9	121.0
03/10/2020 15:10:00	17.8	121.0
03/10/2020 15:20:00	17.8	121.0
03/10/2020 15:30:00	17.8	121.0
03/10/2020 15:40:00	17.9	121.0
03/10/2020 15:50:00	18.3	121.0
03/10/2020 16:00:00	19.0	121.0
03/10/2020 16:10:00	19.7	121.0
03/10/2020 16:20:00	20.2	121.0
03/10/2020 16:30:00	20.7	121.0
03/10/2020 16:40:00	21.1	121.0
03/10/2020 16:50:00	21.5	121.0
03/10/2020 17:00:00	21.9	121.0
03/10/2020 17:10:00	22.2	121.0
03/10/2020 17:20:00	22.5	121.0
03/10/2020 17:30:00	22.7	121.0
03/10/2020 17:40:00	22.9	121.0
03/10/2020 17:50:00	23.1	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)</b>		
<b>DATE &amp; TIME</b>	<b>ANTIFOAM DRAIN TEMP TICR-0205/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV</b>
03/10/2020 18:00:00	23.4	121.0
03/10/2020 18:10:00	23.6	121.0
03/10/2020 18:20:00	23.8	121.0
03/10/2020 18:30:00	24.0	121.0
03/10/2020 18:40:00	24.2	121.0
03/10/2020 18:50:00	24.4	121.0
03/10/2020 19:00:00	24.5	121.0
03/10/2020 19:10:00	24.7	121.0
03/10/2020 19:20:00	24.8	121.0
03/10/2020 19:30:00	25.0	121.0
03/10/2020 19:40:00	25.1	121.0
03/10/2020 19:50:00	25.2	121.0
03/10/2020 20:00:00	25.2	121.0
03/10/2020 20:10:00	25.3	121.0
03/10/2020 20:20:00	25.3	121.0
03/10/2020 20:30:00	25.4	121.0
03/10/2020 20:40:00	25.4	121.0
03/10/2020 20:50:00	25.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 735 of 905

INDEPENDENT ANTIFOAM LINE STERILIZATION (IAFLS)		
DATE & TIME	ANTIFOAM DRAIN TEMP TICR-0205/PV.CV	STERILIZATION TEMPERATURE SP (IAFLS-ST01) 200-RPT/TICR-205_SP_IAFL.CV
03/10/2020 21:00:00	25.5	121.0
03/10/2020 21:10:00	25.6	121.0
03/10/2020 21:20:00	25.7	121.0
03/10/2020 21:30:00	25.7	121.0
03/10/2020 21:40:00	25.8	121.0
03/10/2020 21:50:00	25.8	121.0
03/10/2020 22:00:00	25.9	121.0
03/10/2020 22:10:00	25.9	121.0
03/10/2020 22:20:00	26.0	121.0
03/10/2020 22:30:00	26.0	121.0
03/10/2020 22:40:00	26.0	121.0
03/10/2020 22:50:00	26.1	121.0
03/10/2020 23:00:00	26.2	121.0
03/10/2020 23:10:00	26.2	121.0
03/10/2020 23:20:00	26.3	121.0
03/10/2020 23:30:00	26.3	121.0
03/10/2020 23:40:00	26.3	121.0
03/10/2020 23:50:00	26.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:13		Page 736 of 905



<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
01/10/2020 00:00:00	16.3	121.0
01/10/2020 00:10:00	16.3	121.0
01/10/2020 00:20:00	16.3	121.0
01/10/2020 00:30:00	16.2	121.0
01/10/2020 00:40:00	16.2	121.0
01/10/2020 00:50:00	16.2	121.0
01/10/2020 01:00:00	16.2	121.0
01/10/2020 01:10:00	16.2	121.0
01/10/2020 01:20:00	16.1	121.0
01/10/2020 01:30:00	16.1	121.0
01/10/2020 01:40:00	16.1	121.0
01/10/2020 01:50:00	16.1	121.0
01/10/2020 02:00:00	16.0	121.0
01/10/2020 02:10:00	16.0	121.0
01/10/2020 02:20:00	16.0	121.0
01/10/2020 02:30:00	16.0	121.0
01/10/2020 02:40:00	15.9	121.0
01/10/2020 02:50:00	15.9	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:15		Page 737 of 905

<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
01/10/2020 03:00:00	15.9	121.0
01/10/2020 03:10:00	15.9	121.0
01/10/2020 03:20:00	15.9	121.0
01/10/2020 03:30:00	15.8	121.0
01/10/2020 03:40:00	15.8	121.0
01/10/2020 03:50:00	15.8	121.0
01/10/2020 04:00:00	15.8	121.0
01/10/2020 04:10:00	15.8	121.0
01/10/2020 04:20:00	15.8	121.0
01/10/2020 04:30:00	15.7	121.0
01/10/2020 04:40:00	15.7	121.0
01/10/2020 04:50:00	15.7	121.0
01/10/2020 05:00:00	15.7	121.0
01/10/2020 05:10:00	15.7	121.0
01/10/2020 05:20:00	15.6	121.0
01/10/2020 05:30:00	15.6	121.0
01/10/2020 05:40:00	15.6	121.0
01/10/2020 05:50:00	15.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:15		Page 738 of 905

<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
01/10/2020 06:00:00	15.6	121.0
01/10/2020 06:10:00	15.6	121.0
01/10/2020 06:20:00	15.6	121.0
01/10/2020 06:30:00	15.6	121.0
01/10/2020 06:40:00	15.5	121.0
01/10/2020 06:50:00	15.5	121.0
01/10/2020 07:00:00	15.6	121.0
01/10/2020 07:10:00	15.5	121.0
01/10/2020 07:20:00	15.5	121.0
01/10/2020 07:30:00	15.5	121.0
01/10/2020 07:40:00	15.5	121.0
01/10/2020 07:50:00	15.5	121.0
01/10/2020 08:00:00	15.5	121.0
01/10/2020 08:10:00	15.5	121.0
01/10/2020 08:20:00	15.5	121.0
01/10/2020 08:30:00	15.5	121.0
01/10/2020 08:40:00	15.5	121.0
01/10/2020 08:50:00	15.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:15		Page 739 of 905

<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
01/10/2020 09:00:00	15.4	121.0
01/10/2020 09:10:00	15.4	121.0
01/10/2020 09:20:00	15.4	121.0
01/10/2020 09:30:00	15.4	121.0
01/10/2020 09:40:00	15.4	121.0
01/10/2020 09:50:00	15.4	121.0
01/10/2020 10:00:00	15.4	121.0
01/10/2020 10:10:00	15.4	121.0
01/10/2020 10:20:00	15.6	121.0
01/10/2020 10:30:00	16.2	121.0
01/10/2020 10:40:00	16.8	121.0
01/10/2020 10:50:00	17.6	121.0
01/10/2020 11:00:00	18.1	121.0
01/10/2020 11:10:00	18.5	121.0
01/10/2020 11:20:00	19.3	121.0
01/10/2020 11:30:00	20.7	121.0
01/10/2020 11:40:00	99.5	121.0
01/10/2020 11:50:00	55.9	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:15		Page 740 of 905

**INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)**

DATE& TIME	FEED-1 DRAIN TEMP TICR-0209/PV.CV	STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV
01/10/2020 12:00:00	37.6	121.0
01/10/2020 12:10:00	30.7	121.0
01/10/2020 12:20:00	104.6	121.0
01/10/2020 12:30:00	104.8	121.0
01/10/2020 12:40:00	52.8	121.0
01/10/2020 12:50:00	38.4	121.0
01/10/2020 13:00:00	31.4	121.0
01/10/2020 13:10:00	27.7	121.0
01/10/2020 13:20:00	25.6	121.0
01/10/2020 13:30:00	24.3	121.0
01/10/2020 13:40:00	23.3	121.0
01/10/2020 13:50:00	22.6	121.0
01/10/2020 14:00:00	22.1	121.0
01/10/2020 14:10:00	21.7	121.0
01/10/2020 14:20:00	22.0	121.0
01/10/2020 14:30:00	100.5	121.0
01/10/2020 14:40:00	108.2	121.0
01/10/2020 14:50:00	111.9	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
01/10/2020 15:00:00	113.5	121.0
01/10/2020 15:10:00	106.6	121.0
01/10/2020 15:20:00	50.0	121.0
01/10/2020 15:30:00	108.5	121.0
01/10/2020 15:40:00	62.2	121.0
01/10/2020 15:50:00	87.2	121.0
01/10/2020 16:00:00	46.6	121.0
01/10/2020 16:10:00	35.7	121.0
01/10/2020 16:20:00	32.2	121.0
01/10/2020 16:30:00	30.1	121.0
01/10/2020 16:40:00	28.7	121.0
01/10/2020 16:50:00	27.9	121.0
01/10/2020 17:00:00	27.3	121.0
01/10/2020 17:10:00	26.9	121.0
01/10/2020 17:20:00	26.6	121.0
01/10/2020 17:30:00	26.5	121.0
01/10/2020 17:40:00	26.4	121.0
01/10/2020 17:50:00	26.4	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:15		Page 742 of 905

<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
01/10/2020 18:00:00	26.5	121.0
01/10/2020 18:10:00	26.5	121.0
01/10/2020 18:20:00	26.6	121.0
01/10/2020 18:30:00	26.6	121.0
01/10/2020 18:40:00	26.7	121.0
01/10/2020 18:50:00	26.7	121.0
01/10/2020 19:00:00	26.8	121.0
01/10/2020 19:10:00	26.9	121.0
01/10/2020 19:20:00	26.9	121.0
01/10/2020 19:30:00	27.0	121.0
01/10/2020 19:40:00	27.0	121.0
01/10/2020 19:50:00	27.1	121.0
01/10/2020 20:00:00	27.1	121.0
01/10/2020 20:10:00	27.2	121.0
01/10/2020 20:20:00	27.2	121.0
01/10/2020 20:30:00	27.2	121.0
01/10/2020 20:40:00	27.3	121.0
01/10/2020 20:50:00	27.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:15		Page 743 of 905

INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)		
DATE& TIME	FEED-1 DRAIN TEMP TICR-0209/PV.CV	STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV
01/10/2020 21:00:00	27.3	121.0
01/10/2020 21:10:00	27.4	121.0
01/10/2020 21:20:00	27.4	121.0
01/10/2020 21:30:00	27.4	121.0
01/10/2020 21:40:00	27.4	121.0
01/10/2020 21:50:00	27.4	121.0
01/10/2020 22:00:00	27.5	121.0
01/10/2020 22:10:00	27.5	121.0
01/10/2020 22:20:00	27.5	121.0
01/10/2020 22:30:00	27.5	121.0
01/10/2020 22:40:00	27.5	121.0
01/10/2020 22:50:00	27.6	121.0
01/10/2020 23:00:00	27.6	121.0
01/10/2020 23:10:00	27.6	121.0
01/10/2020 23:20:00	27.6	121.0
01/10/2020 23:30:00	27.6	121.0
01/10/2020 23:40:00	27.6	121.0
01/10/2020 23:50:00	27.7	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
02/10/2020 00:00:00	27.7	121.0
02/10/2020 00:10:00	27.7	121.0
02/10/2020 00:20:00	27.7	121.0
02/10/2020 00:30:00	27.7	121.0
02/10/2020 00:40:00	27.7	121.0
02/10/2020 00:50:00	27.8	121.0
02/10/2020 01:00:00	27.8	121.0
02/10/2020 01:10:00	27.8	121.0
02/10/2020 01:20:00	27.8	121.0
02/10/2020 01:30:00	27.8	121.0
02/10/2020 01:40:00	27.8	121.0
02/10/2020 01:50:00	27.8	121.0
02/10/2020 02:00:00	27.8	121.0
02/10/2020 02:10:00	27.8	121.0
02/10/2020 02:20:00	27.8	121.0
02/10/2020 02:30:00	27.9	121.0
02/10/2020 02:40:00	27.9	121.0
02/10/2020 02:50:00	27.9	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:15		Page 745 of 905

<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
02/10/2020 03:00:00	27.9	121.0
02/10/2020 03:10:00	27.9	121.0
02/10/2020 03:20:00	27.9	121.0
02/10/2020 03:30:00	27.9	121.0
02/10/2020 03:40:00	27.9	121.0
02/10/2020 03:50:00	27.9	121.0
02/10/2020 04:00:00	27.9	121.0
02/10/2020 04:10:00	27.9	121.0
02/10/2020 04:20:00	27.9	121.0
02/10/2020 04:30:00	27.9	121.0
02/10/2020 04:40:00	28.0	121.0
02/10/2020 04:50:00	28.0	121.0
02/10/2020 05:00:00	28.0	121.0
02/10/2020 05:10:00	28.0	121.0
02/10/2020 05:20:00	28.0	121.0
02/10/2020 05:30:00	28.0	121.0
02/10/2020 05:40:00	28.0	121.0
02/10/2020 05:50:00	28.0	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:15		Page 746 of 905

<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
02/10/2020 06:00:00	28.0	121.0
02/10/2020 06:10:00	28.0	121.0
02/10/2020 06:20:00	28.0	121.0
02/10/2020 06:30:00	28.0	121.0
02/10/2020 06:40:00	28.0	121.0
02/10/2020 06:50:00	28.0	121.0
02/10/2020 07:00:00	28.0	121.0
02/10/2020 07:10:00	28.0	121.0
02/10/2020 07:20:00	28.0	121.0
02/10/2020 07:30:00	28.0	121.0
02/10/2020 07:40:00	28.0	121.0
02/10/2020 07:50:00	27.9	121.0
02/10/2020 08:00:00	27.9	121.0
02/10/2020 08:10:00	27.9	121.0
02/10/2020 08:20:00	27.9	121.0
02/10/2020 08:30:00	27.8	121.0
02/10/2020 08:40:00	27.8	121.0
02/10/2020 08:50:00	27.8	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:15		Page 747 of 905

<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
02/10/2020 09:00:00	27.7	121.0
02/10/2020 09:10:00	27.7	121.0
02/10/2020 09:20:00	27.7	121.0
02/10/2020 09:30:00	27.6	121.0
02/10/2020 09:40:00	27.6	121.0
02/10/2020 09:50:00	27.6	121.0
02/10/2020 10:00:00	27.6	121.0
02/10/2020 10:10:00	27.5	121.0
02/10/2020 10:20:00	27.5	121.0
02/10/2020 10:30:00	27.5	121.0
02/10/2020 10:40:00	27.5	121.0
02/10/2020 10:50:00	27.5	121.0
02/10/2020 11:00:00	27.5	121.0
02/10/2020 11:10:00	27.5	121.0
02/10/2020 11:20:00	27.5	121.0
02/10/2020 11:30:00	27.5	121.0
02/10/2020 11:40:00	27.4	121.0
02/10/2020 11:50:00	27.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
02/10/2020 12:00:00	27.5	121.0
02/10/2020 12:10:00	27.5	121.0
02/10/2020 12:20:00	27.5	121.0
02/10/2020 12:30:00	27.5	121.0
02/10/2020 12:40:00	27.5	121.0
02/10/2020 12:50:00	27.5	121.0
02/10/2020 13:00:00	27.5	121.0
02/10/2020 13:10:00	27.5	121.0
02/10/2020 13:20:00	27.5	121.0
02/10/2020 13:30:00	27.5	121.0
02/10/2020 13:40:00	27.5	121.0
02/10/2020 13:50:00	27.5	121.0
02/10/2020 14:00:00	27.5	121.0
02/10/2020 14:10:00	27.5	121.0
02/10/2020 14:20:00	27.5	121.0
02/10/2020 14:30:00	27.5	121.0
02/10/2020 14:40:00	27.5	121.0
02/10/2020 14:50:00	27.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:15		Page 749 of 905

INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)		
DATE& TIME	FEED-1 DRAIN TEMP TICR-0209/PV.CV	STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV
02/10/2020 15:00:00	27.5	121.0
02/10/2020 15:10:00	27.5	121.0
02/10/2020 15:20:00	27.5	121.0
02/10/2020 15:30:00	27.5	121.0
02/10/2020 15:40:00	27.6	121.0
02/10/2020 15:50:00	27.6	121.0
02/10/2020 16:00:00	27.6	121.0
02/10/2020 16:10:00	27.6	121.0
02/10/2020 16:20:00	27.6	121.0
02/10/2020 16:30:00	27.6	121.0
02/10/2020 16:40:00	27.6	121.0
02/10/2020 16:50:00	27.6	121.0
02/10/2020 17:00:00	27.6	121.0
02/10/2020 17:10:00	27.6	121.0
02/10/2020 17:20:00	27.6	121.0
02/10/2020 17:30:00	27.6	121.0
02/10/2020 17:40:00	27.6	121.0
02/10/2020 17:50:00	27.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
02/10/2020 18:00:00	27.6	121.0
02/10/2020 18:10:00	27.6	121.0
02/10/2020 18:20:00	27.7	121.0
02/10/2020 18:30:00	27.7	121.0
02/10/2020 18:40:00	27.7	121.0
02/10/2020 18:50:00	27.7	121.0
02/10/2020 19:00:00	27.7	121.0
02/10/2020 19:10:00	27.7	121.0
02/10/2020 19:20:00	27.7	121.0
02/10/2020 19:30:00	27.7	121.0
02/10/2020 19:40:00	27.7	121.0
02/10/2020 19:50:00	27.7	121.0
02/10/2020 20:00:00	27.7	121.0
02/10/2020 20:10:00	27.7	121.0
02/10/2020 20:20:00	27.7	121.0
02/10/2020 20:30:00	27.7	121.0
02/10/2020 20:40:00	27.7	121.0
02/10/2020 20:50:00	27.7	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)		
DATE& TIME	FEED-1 DRAIN TEMP TICR-0209/PV.CV	STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV
02/10/2020 21:00:00	27.7	121.0
02/10/2020 21:10:00	27.7	121.0
02/10/2020 21:20:00	27.7	121.0
02/10/2020 21:30:00	27.7	121.0
02/10/2020 21:40:00	27.7	121.0
02/10/2020 21:50:00	27.7	121.0
02/10/2020 22:00:00	27.7	121.0
02/10/2020 22:10:00	27.7	121.0
02/10/2020 22:20:00	27.7	121.0
02/10/2020 22:30:00	27.7	121.0
02/10/2020 22:40:00	27.7	121.0
02/10/2020 22:50:00	27.7	121.0
02/10/2020 23:00:00	27.7	121.0
02/10/2020 23:10:00	27.7	121.0
02/10/2020 23:20:00	27.7	121.0
02/10/2020 23:30:00	27.7	121.0
02/10/2020 23:40:00	27.7	121.0
02/10/2020 23:50:00	27.7	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:15		Page 752 of 905



<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
03/10/2020 00:00:00	27.7	121.0
03/10/2020 00:10:00	27.7	121.0
03/10/2020 00:20:00	27.7	121.0
03/10/2020 00:30:00	27.6	121.0
03/10/2020 00:40:00	27.7	121.0
03/10/2020 00:50:00	27.6	121.0
03/10/2020 01:00:00	27.7	121.0
03/10/2020 01:10:00	27.6	121.0
03/10/2020 01:20:00	27.6	121.0
03/10/2020 01:30:00	27.6	121.0
03/10/2020 01:40:00	27.6	121.0
03/10/2020 01:50:00	27.6	121.0
03/10/2020 02:00:00	27.6	121.0
03/10/2020 02:10:00	27.6	121.0
03/10/2020 02:20:00	27.6	121.0
03/10/2020 02:30:00	27.6	121.0
03/10/2020 02:40:00	27.6	121.0
03/10/2020 02:50:00	27.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
03/10/2020 03:00:00	27.6	121.0
03/10/2020 03:10:00	27.6	121.0
03/10/2020 03:20:00	27.6	121.0
03/10/2020 03:30:00	27.6	121.0
03/10/2020 03:40:00	27.6	121.0
03/10/2020 03:50:00	27.6	121.0
03/10/2020 04:00:00	27.6	121.0
03/10/2020 04:10:00	27.6	121.0
03/10/2020 04:20:00	27.6	121.0
03/10/2020 04:30:00	27.6	121.0
03/10/2020 04:40:00	27.6	121.0
03/10/2020 04:50:00	27.6	121.0
03/10/2020 05:00:00	27.6	121.0
03/10/2020 05:10:00	27.5	121.0
03/10/2020 05:20:00	27.5	121.0
03/10/2020 05:30:00	27.5	121.0
03/10/2020 05:40:00	27.5	121.0
03/10/2020 05:50:00	27.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:15		Page 754 of 905

<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
03/10/2020 06:00:00	27.5	121.0
03/10/2020 06:10:00	27.5	121.0
03/10/2020 06:20:00	27.5	121.0
03/10/2020 06:30:00	27.5	121.0
03/10/2020 06:40:00	27.5	121.0
03/10/2020 06:50:00	27.4	121.0
03/10/2020 07:00:00	27.4	121.0
03/10/2020 07:10:00	27.4	121.0
03/10/2020 07:20:00	27.4	121.0
03/10/2020 07:30:00	27.4	121.0
03/10/2020 07:40:00	27.4	121.0
03/10/2020 07:50:00	27.4	121.0
03/10/2020 08:00:00	27.4	121.0
03/10/2020 08:10:00	27.4	121.0
03/10/2020 08:20:00	27.4	121.0
03/10/2020 08:30:00	27.4	121.0
03/10/2020 08:40:00	27.4	121.0
03/10/2020 08:50:00	27.4	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:15		Page 755 of 905

<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
03/10/2020 09:00:00	27.4	121.0
03/10/2020 09:10:00	27.4	121.0
03/10/2020 09:20:00	27.4	121.0
03/10/2020 09:30:00	27.4	121.0
03/10/2020 09:40:00	27.4	121.0
03/10/2020 09:50:00	27.5	121.0
03/10/2020 10:00:00	27.5	121.0
03/10/2020 10:10:00	27.5	121.0
03/10/2020 10:20:00	27.5	121.0
03/10/2020 10:30:00	27.5	121.0
03/10/2020 10:40:00	27.5	121.0
03/10/2020 10:50:00	27.5	121.0
03/10/2020 11:00:00	27.1	121.0
03/10/2020 11:10:00	25.4	121.0
03/10/2020 11:20:00	23.8	121.0
03/10/2020 11:30:00	22.7	121.0
03/10/2020 11:40:00	21.8	121.0
03/10/2020 11:50:00	21.0	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)**

DATE& TIME	FEED-1 DRAIN TEMP TICR-0209/PV.CV	STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV
03/10/2020 12:00:00	20.5	121.0
03/10/2020 12:10:00	20.1	121.0
03/10/2020 12:20:00	19.7	121.0
03/10/2020 12:30:00	19.4	121.0
03/10/2020 12:40:00	19.1	121.0
03/10/2020 12:50:00	18.9	121.0
03/10/2020 13:00:00	18.7	121.0
03/10/2020 13:10:00	18.6	121.0
03/10/2020 13:20:00	18.5	121.0
03/10/2020 13:30:00	18.3	121.0
03/10/2020 13:40:00	18.2	121.0
03/10/2020 13:50:00	18.2	121.0
03/10/2020 14:00:00	18.1	121.0
03/10/2020 14:10:00	18.1	121.0
03/10/2020 14:20:00	18.1	121.0
03/10/2020 14:30:00	18.1	121.0
03/10/2020 14:40:00	18.2	121.0
03/10/2020 14:50:00	18.3	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
03/10/2020 15:00:00	18.3	121.0
03/10/2020 15:10:00	18.2	121.0
03/10/2020 15:20:00	18.2	121.0
03/10/2020 15:30:00	18.3	121.0
03/10/2020 15:40:00	18.3	121.0
03/10/2020 15:50:00	18.6	121.0
03/10/2020 16:00:00	19.1	121.0
03/10/2020 16:10:00	19.7	121.0
03/10/2020 16:20:00	20.2	121.0
03/10/2020 16:30:00	20.7	121.0
03/10/2020 16:40:00	21.1	121.0
03/10/2020 16:50:00	21.5	121.0
03/10/2020 17:00:00	21.8	121.0
03/10/2020 17:10:00	22.2	121.0
03/10/2020 17:20:00	22.4	121.0
03/10/2020 17:30:00	22.7	121.0
03/10/2020 17:40:00	23.0	121.0
03/10/2020 17:50:00	23.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE&amp; TIME</b>	<b>FEED-1 DRAIN TEMP TICR-0209/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV</b>
03/10/2020 18:00:00	23.4	121.0
03/10/2020 18:10:00	23.6	121.0
03/10/2020 18:20:00	23.8	121.0
03/10/2020 18:30:00	24.0	121.0
03/10/2020 18:40:00	24.2	121.0
03/10/2020 18:50:00	24.3	121.0
03/10/2020 19:00:00	24.5	121.0
03/10/2020 19:10:00	24.6	121.0
03/10/2020 19:20:00	24.7	121.0
03/10/2020 19:30:00	24.9	121.0
03/10/2020 19:40:00	25.0	121.0
03/10/2020 19:50:00	25.0	121.0
03/10/2020 20:00:00	25.1	121.0
03/10/2020 20:10:00	25.2	121.0
03/10/2020 20:20:00	25.3	121.0
03/10/2020 20:30:00	25.3	121.0
03/10/2020 20:40:00	25.4	121.0
03/10/2020 20:50:00	25.4	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:15		Page 759 of 905

**INDEPENDENT FEED-1 LINE STERILIZATION (IFD-1LS)**

DATE& TIME	FEED-1 DRAIN TEMP TICR-0209/PV.CV	STERILIZATION TEMPERATURE SP (FD-1 LS- ST01) 200-RPT/TICR-209_SP_IFD1.CV
03/10/2020 21:00:00	25.5	121.0
03/10/2020 21:10:00	25.5	121.0
03/10/2020 21:20:00	25.6	121.0
03/10/2020 21:30:00	25.6	121.0
03/10/2020 21:40:00	25.6	121.0
03/10/2020 21:50:00	25.7	121.0
03/10/2020 22:00:00	25.7	121.0
03/10/2020 22:10:00	25.8	121.0
03/10/2020 22:20:00	25.8	121.0
03/10/2020 22:30:00	25.8	121.0
03/10/2020 22:40:00	25.9	121.0
03/10/2020 22:50:00	25.9	121.0
03/10/2020 23:00:00	26.0	121.0
03/10/2020 23:10:00	26.1	121.0
03/10/2020 23:20:00	26.1	121.0
03/10/2020 23:30:00	26.2	121.0
03/10/2020 23:40:00	26.2	121.0
03/10/2020 23:50:00	26.3	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER



<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
01/10/2020 00:00:00	15.9	121.0
01/10/2020 00:10:00	15.8	121.0
01/10/2020 00:20:00	15.8	121.0
01/10/2020 00:30:00	15.8	121.0
01/10/2020 00:40:00	15.8	121.0
01/10/2020 00:50:00	15.8	121.0
01/10/2020 01:00:00	15.8	121.0
01/10/2020 01:10:00	15.8	121.0
01/10/2020 01:20:00	15.8	121.0
01/10/2020 01:30:00	15.7	121.0
01/10/2020 01:40:00	15.7	121.0
01/10/2020 01:50:00	15.7	121.0
01/10/2020 02:00:00	15.7	121.0
01/10/2020 02:10:00	15.7	121.0
01/10/2020 02:20:00	15.6	121.0
01/10/2020 02:30:00	15.6	121.0
01/10/2020 02:40:00	15.6	121.0
01/10/2020 02:50:00	15.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 761 of 905

<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
01/10/2020 03:00:00	15.6	121.0
01/10/2020 03:10:00	15.6	121.0
01/10/2020 03:20:00	15.6	121.0
01/10/2020 03:30:00	15.5	121.0
01/10/2020 03:40:00	15.5	121.0
01/10/2020 03:50:00	15.5	121.0
01/10/2020 04:00:00	15.5	121.0
01/10/2020 04:10:00	15.5	121.0
01/10/2020 04:20:00	15.5	121.0
01/10/2020 04:30:00	15.4	121.0
01/10/2020 04:40:00	15.4	121.0
01/10/2020 04:50:00	15.4	121.0
01/10/2020 05:00:00	15.4	121.0
01/10/2020 05:10:00	15.4	121.0
01/10/2020 05:20:00	15.4	121.0
01/10/2020 05:30:00	15.4	121.0
01/10/2020 05:40:00	15.3	121.0
01/10/2020 05:50:00	15.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 762 of 905

<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
01/10/2020 06:00:00	15.3	121.0
01/10/2020 06:10:00	15.3	121.0
01/10/2020 06:20:00	15.3	121.0
01/10/2020 06:30:00	15.3	121.0
01/10/2020 06:40:00	15.3	121.0
01/10/2020 06:50:00	15.3	121.0
01/10/2020 07:00:00	15.3	121.0
01/10/2020 07:10:00	15.3	121.0
01/10/2020 07:20:00	15.3	121.0
01/10/2020 07:30:00	15.2	121.0
01/10/2020 07:40:00	15.2	121.0
01/10/2020 07:50:00	15.2	121.0
01/10/2020 08:00:00	15.2	121.0
01/10/2020 08:10:00	15.2	121.0
01/10/2020 08:20:00	15.2	121.0
01/10/2020 08:30:00	15.2	121.0
01/10/2020 08:40:00	15.2	121.0
01/10/2020 08:50:00	15.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 763 of 905

<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
01/10/2020 09:00:00	15.2	121.0
01/10/2020 09:10:00	15.2	121.0
01/10/2020 09:20:00	15.2	121.0
01/10/2020 09:30:00	15.2	121.0
01/10/2020 09:40:00	15.2	121.0
01/10/2020 09:50:00	15.2	121.0
01/10/2020 10:00:00	15.2	121.0
01/10/2020 10:10:00	15.2	121.0
01/10/2020 10:20:00	15.3	121.0
01/10/2020 10:30:00	15.9	121.0
01/10/2020 10:40:00	16.6	121.0
01/10/2020 10:50:00	17.3	121.0
01/10/2020 11:00:00	17.8	121.0
01/10/2020 11:10:00	18.2	121.0
01/10/2020 11:20:00	18.5	121.0
01/10/2020 11:30:00	18.9	121.0
01/10/2020 11:40:00	97.9	121.0
01/10/2020 11:50:00	56.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 764 of 905

INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)		
DATE & TIME	FEED-2 DRAIN TEMP TICR-0210/PV.CV	STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV
01/10/2020 12:00:00	36.4	121.0
01/10/2020 12:10:00	28.9	121.0
01/10/2020 12:20:00	104.2	121.0
01/10/2020 12:30:00	104.4	121.0
01/10/2020 12:40:00	54.9	121.0
01/10/2020 12:50:00	38.5	121.0
01/10/2020 13:00:00	31.4	121.0
01/10/2020 13:10:00	27.4	121.0
01/10/2020 13:20:00	25.0	121.0
01/10/2020 13:30:00	23.6	121.0
01/10/2020 13:40:00	22.5	121.0
01/10/2020 13:50:00	21.7	121.0
01/10/2020 14:00:00	21.2	121.0
01/10/2020 14:10:00	20.7	121.0
01/10/2020 14:20:00	20.7	121.0
01/10/2020 14:30:00	99.9	121.0
01/10/2020 14:40:00	107.6	121.0
01/10/2020 14:50:00	111.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 765 of 905

<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
01/10/2020 15:00:00	113.0	121.0
01/10/2020 15:10:00	104.1	121.0
01/10/2020 15:20:00	52.7	121.0
01/10/2020 15:30:00	108.1	121.0
01/10/2020 15:40:00	63.7	121.0
01/10/2020 15:50:00	87.6	121.0
01/10/2020 16:00:00	46.3	121.0
01/10/2020 16:10:00	35.3	121.0
01/10/2020 16:20:00	31.9	121.0
01/10/2020 16:30:00	30.0	121.0
01/10/2020 16:40:00	29.0	121.0
01/10/2020 16:50:00	28.4	121.0
01/10/2020 17:00:00	28.0	121.0
01/10/2020 17:10:00	27.7	121.0
01/10/2020 17:20:00	27.6	121.0
01/10/2020 17:30:00	27.5	121.0
01/10/2020 17:40:00	27.4	121.0
01/10/2020 17:50:00	27.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 766 of 905

INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)		
DATE & TIME	FEED-2 DRAIN TEMP TICR-0210/PV.CV	STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV
01/10/2020 18:00:00	27.2	121.0
01/10/2020 18:10:00	27.2	121.0
01/10/2020 18:20:00	27.1	121.0
01/10/2020 18:30:00	27.0	121.0
01/10/2020 18:40:00	27.0	121.0
01/10/2020 18:50:00	27.0	121.0
01/10/2020 19:00:00	27.1	121.0
01/10/2020 19:10:00	27.1	121.0
01/10/2020 19:20:00	27.1	121.0
01/10/2020 19:30:00	27.1	121.0
01/10/2020 19:40:00	27.2	121.0
01/10/2020 19:50:00	27.1	121.0
01/10/2020 20:00:00	27.2	121.0
01/10/2020 20:10:00	27.2	121.0
01/10/2020 20:20:00	27.2	121.0
01/10/2020 20:30:00	27.2	121.0
01/10/2020 20:40:00	27.2	121.0
01/10/2020 20:50:00	27.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 767 of 905

<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
01/10/2020 21:00:00	27.3	121.0
01/10/2020 21:10:00	27.3	121.0
01/10/2020 21:20:00	27.3	121.0
01/10/2020 21:30:00	27.4	121.0
01/10/2020 21:40:00	27.4	121.0
01/10/2020 21:50:00	27.4	121.0
01/10/2020 22:00:00	27.4	121.0
01/10/2020 22:10:00	27.5	121.0
01/10/2020 22:20:00	27.5	121.0
01/10/2020 22:30:00	27.5	121.0
01/10/2020 22:40:00	27.5	121.0
01/10/2020 22:50:00	27.5	121.0
01/10/2020 23:00:00	27.6	121.0
01/10/2020 23:10:00	27.6	121.0
01/10/2020 23:20:00	27.6	121.0
01/10/2020 23:30:00	27.6	121.0
01/10/2020 23:40:00	27.6	121.0
01/10/2020 23:50:00	27.7	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 768 of 905



<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
02/10/2020 00:00:00	27.7	121.0
02/10/2020 00:10:00	27.7	121.0
02/10/2020 00:20:00	27.7	121.0
02/10/2020 00:30:00	27.8	121.0
02/10/2020 00:40:00	27.8	121.0
02/10/2020 00:50:00	27.8	121.0
02/10/2020 01:00:00	27.8	121.0
02/10/2020 01:10:00	27.8	121.0
02/10/2020 01:20:00	27.8	121.0
02/10/2020 01:30:00	27.8	121.0
02/10/2020 01:40:00	27.8	121.0
02/10/2020 01:50:00	27.8	121.0
02/10/2020 02:00:00	27.8	121.0
02/10/2020 02:10:00	27.8	121.0
02/10/2020 02:20:00	27.9	121.0
02/10/2020 02:30:00	27.9	121.0
02/10/2020 02:40:00	27.9	121.0
02/10/2020 02:50:00	27.9	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 769 of 905

<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
02/10/2020 03:00:00	27.9	121.0
02/10/2020 03:10:00	27.9	121.0
02/10/2020 03:20:00	27.9	121.0
02/10/2020 03:30:00	27.9	121.0
02/10/2020 03:40:00	28.0	121.0
02/10/2020 03:50:00	27.9	121.0
02/10/2020 04:00:00	28.0	121.0
02/10/2020 04:10:00	28.0	121.0
02/10/2020 04:20:00	28.0	121.0
02/10/2020 04:30:00	28.0	121.0
02/10/2020 04:40:00	28.0	121.0
02/10/2020 04:50:00	28.0	121.0
02/10/2020 05:00:00	28.0	121.0
02/10/2020 05:10:00	28.0	121.0
02/10/2020 05:20:00	28.0	121.0
02/10/2020 05:30:00	28.0	121.0
02/10/2020 05:40:00	28.0	121.0
02/10/2020 05:50:00	28.0	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 770 of 905

<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
02/10/2020 06:00:00	28.0	121.0
02/10/2020 06:10:00	28.0	121.0
02/10/2020 06:20:00	28.0	121.0
02/10/2020 06:30:00	28.0	121.0
02/10/2020 06:40:00	28.0	121.0
02/10/2020 06:50:00	28.1	121.0
02/10/2020 07:00:00	28.0	121.0
02/10/2020 07:10:00	28.0	121.0
02/10/2020 07:20:00	28.0	121.0
02/10/2020 07:30:00	27.9	121.0
02/10/2020 07:40:00	27.9	121.0
02/10/2020 07:50:00	27.9	121.0
02/10/2020 08:00:00	27.8	121.0
02/10/2020 08:10:00	27.8	121.0
02/10/2020 08:20:00	27.8	121.0
02/10/2020 08:30:00	27.8	121.0
02/10/2020 08:40:00	27.7	121.0
02/10/2020 08:50:00	27.7	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 771 of 905

INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)		
DATE & TIME	FEED-2 DRAIN TEMP TICR-0210/PV.CV	STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV
02/10/2020 09:00:00	27.7	121.0
02/10/2020 09:10:00	27.7	121.0
02/10/2020 09:20:00	27.7	121.0
02/10/2020 09:30:00	27.6	121.0
02/10/2020 09:40:00	27.6	121.0
02/10/2020 09:50:00	27.6	121.0
02/10/2020 10:00:00	27.6	121.0
02/10/2020 10:10:00	27.5	121.0
02/10/2020 10:20:00	27.5	121.0
02/10/2020 10:30:00	27.5	121.0
02/10/2020 10:40:00	27.5	121.0
02/10/2020 10:50:00	27.5	121.0
02/10/2020 11:00:00	27.5	121.0
02/10/2020 11:10:00	27.5	121.0
02/10/2020 11:20:00	27.5	121.0
02/10/2020 11:30:00	27.5	121.0
02/10/2020 11:40:00	27.5	121.0
02/10/2020 11:50:00	27.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 772 of 905

<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
02/10/2020 12:00:00	27.5	121.0
02/10/2020 12:10:00	27.5	121.0
02/10/2020 12:20:00	27.5	121.0
02/10/2020 12:30:00	27.5	121.0
02/10/2020 12:40:00	27.5	121.0
02/10/2020 12:50:00	27.5	121.0
02/10/2020 13:00:00	27.5	121.0
02/10/2020 13:10:00	27.5	121.0
02/10/2020 13:20:00	27.5	121.0
02/10/2020 13:30:00	27.5	121.0
02/10/2020 13:40:00	27.5	121.0
02/10/2020 13:50:00	27.5	121.0
02/10/2020 14:00:00	27.5	121.0
02/10/2020 14:10:00	27.5	121.0
02/10/2020 14:20:00	27.5	121.0
02/10/2020 14:30:00	27.5	121.0
02/10/2020 14:40:00	27.6	121.0
02/10/2020 14:50:00	27.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 773 of 905

<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
02/10/2020 15:00:00	27.6	121.0
02/10/2020 15:10:00	27.6	121.0
02/10/2020 15:20:00	27.6	121.0
02/10/2020 15:30:00	27.6	121.0
02/10/2020 15:40:00	27.6	121.0
02/10/2020 15:50:00	27.6	121.0
02/10/2020 16:00:00	27.6	121.0
02/10/2020 16:10:00	27.6	121.0
02/10/2020 16:20:00	27.6	121.0
02/10/2020 16:30:00	27.6	121.0
02/10/2020 16:40:00	27.6	121.0
02/10/2020 16:50:00	27.6	121.0
02/10/2020 17:00:00	27.6	121.0
02/10/2020 17:10:00	27.7	121.0
02/10/2020 17:20:00	27.7	121.0
02/10/2020 17:30:00	27.7	121.0
02/10/2020 17:40:00	27.7	121.0
02/10/2020 17:50:00	27.7	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 774 of 905

INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)		
DATE & TIME	FEED-2 DRAIN TEMP TICR-0210/PV.CV	STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV
02/10/2020 18:00:00	27.7	121.0
02/10/2020 18:10:00	27.7	121.0
02/10/2020 18:20:00	27.7	121.0
02/10/2020 18:30:00	27.7	121.0
02/10/2020 18:40:00	27.7	121.0
02/10/2020 18:50:00	27.7	121.0
02/10/2020 19:00:00	27.7	121.0
02/10/2020 19:10:00	27.7	121.0
02/10/2020 19:20:00	27.7	121.0
02/10/2020 19:30:00	27.7	121.0
02/10/2020 19:40:00	27.7	121.0
02/10/2020 19:50:00	27.7	121.0
02/10/2020 20:00:00	27.7	121.0
02/10/2020 20:10:00	27.7	121.0
02/10/2020 20:20:00	27.7	121.0
02/10/2020 20:30:00	27.7	121.0
02/10/2020 20:40:00	27.7	121.0
02/10/2020 20:50:00	27.7	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 775 of 905

<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
02/10/2020 21:00:00	27.7	121.0
02/10/2020 21:10:00	27.7	121.0
02/10/2020 21:20:00	27.7	121.0
02/10/2020 21:30:00	27.7	121.0
02/10/2020 21:40:00	27.7	121.0
02/10/2020 21:50:00	27.7	121.0
02/10/2020 22:00:00	27.7	121.0
02/10/2020 22:10:00	27.7	121.0
02/10/2020 22:20:00	27.7	121.0
02/10/2020 22:30:00	27.7	121.0
02/10/2020 22:40:00	27.7	121.0
02/10/2020 22:50:00	27.7	121.0
02/10/2020 23:00:00	27.7	121.0
02/10/2020 23:10:00	27.7	121.0
02/10/2020 23:20:00	27.7	121.0
02/10/2020 23:30:00	27.7	121.0
02/10/2020 23:40:00	27.7	121.0
02/10/2020 23:50:00	27.7	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 776 of 905



INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)		
DATE & TIME	FEED-2 DRAIN TEMP TICR-0210/PV.CV	STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV
03/10/2020 00:00:00	27.7	121.0
03/10/2020 00:10:00	27.7	121.0
03/10/2020 00:20:00	27.7	121.0
03/10/2020 00:30:00	27.7	121.0
03/10/2020 00:40:00	27.7	121.0
03/10/2020 00:50:00	27.7	121.0
03/10/2020 01:00:00	27.7	121.0
03/10/2020 01:10:00	27.7	121.0
03/10/2020 01:20:00	27.7	121.0
03/10/2020 01:30:00	27.7	121.0
03/10/2020 01:40:00	27.6	121.0
03/10/2020 01:50:00	27.6	121.0
03/10/2020 02:00:00	27.6	121.0
03/10/2020 02:10:00	27.6	121.0
03/10/2020 02:20:00	27.6	121.0
03/10/2020 02:30:00	27.6	121.0
03/10/2020 02:40:00	27.6	121.0
03/10/2020 02:50:00	27.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 777 of 905

<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
03/10/2020 03:00:00	27.6	121.0
03/10/2020 03:10:00	27.6	121.0
03/10/2020 03:20:00	27.6	121.0
03/10/2020 03:30:00	27.6	121.0
03/10/2020 03:40:00	27.6	121.0
03/10/2020 03:50:00	27.6	121.0
03/10/2020 04:00:00	27.6	121.0
03/10/2020 04:10:00	27.6	121.0
03/10/2020 04:20:00	27.6	121.0
03/10/2020 04:30:00	27.6	121.0
03/10/2020 04:40:00	27.5	121.0
03/10/2020 04:50:00	27.5	121.0
03/10/2020 05:00:00	27.5	121.0
03/10/2020 05:10:00	27.5	121.0
03/10/2020 05:20:00	27.5	121.0
03/10/2020 05:30:00	27.5	121.0
03/10/2020 05:40:00	27.5	121.0
03/10/2020 05:50:00	27.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 778 of 905

<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
03/10/2020 06:00:00	27.5	121.0
03/10/2020 06:10:00	27.5	121.0
03/10/2020 06:20:00	27.5	121.0
03/10/2020 06:30:00	27.5	121.0
03/10/2020 06:40:00	27.4	121.0
03/10/2020 06:50:00	27.4	121.0
03/10/2020 07:00:00	27.4	121.0
03/10/2020 07:10:00	27.4	121.0
03/10/2020 07:20:00	27.4	121.0
03/10/2020 07:30:00	27.4	121.0
03/10/2020 07:40:00	27.4	121.0
03/10/2020 07:50:00	27.3	121.0
03/10/2020 08:00:00	27.3	121.0
03/10/2020 08:10:00	27.3	121.0
03/10/2020 08:20:00	27.3	121.0
03/10/2020 08:30:00	27.3	121.0
03/10/2020 08:40:00	27.3	121.0
03/10/2020 08:50:00	27.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 779 of 905

<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
03/10/2020 09:00:00	27.3	121.0
03/10/2020 09:10:00	27.3	121.0
03/10/2020 09:20:00	27.3	121.0
03/10/2020 09:30:00	27.4	121.0
03/10/2020 09:40:00	27.4	121.0
03/10/2020 09:50:00	27.4	121.0
03/10/2020 10:00:00	27.4	121.0
03/10/2020 10:10:00	27.4	121.0
03/10/2020 10:20:00	27.4	121.0
03/10/2020 10:30:00	27.4	121.0
03/10/2020 10:40:00	27.4	121.0
03/10/2020 10:50:00	27.4	121.0
03/10/2020 11:00:00	26.9	121.0
03/10/2020 11:10:00	24.9	121.0
03/10/2020 11:20:00	23.3	121.0
03/10/2020 11:30:00	22.0	121.0
03/10/2020 11:40:00	21.0	121.0
03/10/2020 11:50:00	20.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 780 of 905

<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
03/10/2020 12:00:00	19.5	121.0
03/10/2020 12:10:00	19.0	121.0
03/10/2020 12:20:00	18.6	121.0
03/10/2020 12:30:00	18.2	121.0
03/10/2020 12:40:00	18.0	121.0
03/10/2020 12:50:00	17.7	121.0
03/10/2020 13:00:00	17.5	121.0
03/10/2020 13:10:00	17.4	121.0
03/10/2020 13:20:00	17.2	121.0
03/10/2020 13:30:00	17.1	121.0
03/10/2020 13:40:00	17.0	121.0
03/10/2020 13:50:00	17.1	121.0
03/10/2020 14:00:00	17.0	121.0
03/10/2020 14:10:00	17.1	121.0
03/10/2020 14:20:00	16.9	121.0
03/10/2020 14:30:00	17.0	121.0
03/10/2020 14:40:00	17.0	121.0
03/10/2020 14:50:00	17.1	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
03/10/2020 15:00:00	17.1	121.0
03/10/2020 15:10:00	17.0	121.0
03/10/2020 15:20:00	16.9	121.0
03/10/2020 15:30:00	17.0	121.0
03/10/2020 15:40:00	17.0	121.0
03/10/2020 15:50:00	17.5	121.0
03/10/2020 16:00:00	18.3	121.0
03/10/2020 16:10:00	19.1	121.0
03/10/2020 16:20:00	19.8	121.0
03/10/2020 16:30:00	20.4	121.0
03/10/2020 16:40:00	20.9	121.0
03/10/2020 16:50:00	21.4	121.0
03/10/2020 17:00:00	21.8	121.0
03/10/2020 17:10:00	22.1	121.0
03/10/2020 17:20:00	22.4	121.0
03/10/2020 17:30:00	22.7	121.0
03/10/2020 17:40:00	22.9	121.0
03/10/2020 17:50:00	23.1	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 782 of 905

<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
03/10/2020 18:00:00	23.4	121.0
03/10/2020 18:10:00	23.5	121.0
03/10/2020 18:20:00	23.7	121.0
03/10/2020 18:30:00	23.9	121.0
03/10/2020 18:40:00	24.1	121.0
03/10/2020 18:50:00	24.3	121.0
03/10/2020 19:00:00	24.5	121.0
03/10/2020 19:10:00	24.6	121.0
03/10/2020 19:20:00	24.8	121.0
03/10/2020 19:30:00	24.9	121.0
03/10/2020 19:40:00	25.0	121.0
03/10/2020 19:50:00	25.1	121.0
03/10/2020 20:00:00	25.2	121.0
03/10/2020 20:10:00	25.3	121.0
03/10/2020 20:20:00	25.3	121.0
03/10/2020 20:30:00	25.4	121.0
03/10/2020 20:40:00	25.4	121.0
03/10/2020 20:50:00	25.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 783 of 905

<b>INDEPENDENT FEED-2 LINE STERILIZATION (IFD-1LS)</b>		
<b>DATE &amp; TIME</b>	<b>FEED-2 DRAIN TEMP TICR-0210/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (FD-2 LS- ST01) 200-RPT/TICR-210_SP_IFD2.CV</b>
03/10/2020 21:00:00	25.5	121.0
03/10/2020 21:10:00	25.5	121.0
03/10/2020 21:20:00	25.6	121.0
03/10/2020 21:30:00	25.6	121.0
03/10/2020 21:40:00	25.7	121.0
03/10/2020 21:50:00	25.7	121.0
03/10/2020 22:00:00	25.8	121.0
03/10/2020 22:10:00	25.8	121.0
03/10/2020 22:20:00	25.8	121.0
03/10/2020 22:30:00	25.9	121.0
03/10/2020 22:40:00	25.9	121.0
03/10/2020 22:50:00	26.0	121.0
03/10/2020 23:00:00	26.1	121.0
03/10/2020 23:10:00	26.2	121.0
03/10/2020 23:20:00	26.2	121.0
03/10/2020 23:30:00	26.2	121.0
03/10/2020 23:40:00	26.3	121.0
03/10/2020 23:50:00	26.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:16		Page 784 of 905



**INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)**

DATE & TIME	INOCULUM DRAIN TEMP TICR-0211/PV.CV	STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV
01/10/2020 00:00:00	15.0	121.0
01/10/2020 00:10:00	15.0	121.0
01/10/2020 00:20:00	15.0	121.0
01/10/2020 00:30:00	15.0	121.0
01/10/2020 00:40:00	15.0	121.0
01/10/2020 00:50:00	14.9	121.0
01/10/2020 01:00:00	14.9	121.0
01/10/2020 01:10:00	14.9	121.0
01/10/2020 01:20:00	14.9	121.0
01/10/2020 01:30:00	14.9	121.0
01/10/2020 01:40:00	14.8	121.0
01/10/2020 01:50:00	14.9	121.0
01/10/2020 02:00:00	14.8	121.0
01/10/2020 02:10:00	14.8	121.0
01/10/2020 02:20:00	14.8	121.0
01/10/2020 02:30:00	14.8	121.0
01/10/2020 02:40:00	14.8	121.0
01/10/2020 02:50:00	14.7	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)**

DATE & TIME	INOCULUM DRAIN TEMP TICR-0211/PV.CV	STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV
01/10/2020 03:00:00	14.7	121.0
01/10/2020 03:10:00	14.7	121.0
01/10/2020 03:20:00	14.7	121.0
01/10/2020 03:30:00	14.6	121.0
01/10/2020 03:40:00	14.7	121.0
01/10/2020 03:50:00	14.6	121.0
01/10/2020 04:00:00	14.6	121.0
01/10/2020 04:10:00	14.6	121.0
01/10/2020 04:20:00	14.6	121.0
01/10/2020 04:30:00	14.6	121.0
01/10/2020 04:40:00	14.6	121.0
01/10/2020 04:50:00	14.5	121.0
01/10/2020 05:00:00	14.5	121.0
01/10/2020 05:10:00	14.5	121.0
01/10/2020 05:20:00	14.5	121.0
01/10/2020 05:30:00	14.5	121.0
01/10/2020 05:40:00	14.5	121.0
01/10/2020 05:50:00	14.5	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)**

DATE & TIME	INOCULUM DRAIN TEMP TICR-0211/PV.CV	STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV
01/10/2020 06:00:00	14.5	121.0
01/10/2020 06:10:00	14.5	121.0
01/10/2020 06:20:00	14.5	121.0
01/10/2020 06:30:00	14.5	121.0
01/10/2020 06:40:00	14.4	121.0
01/10/2020 06:50:00	14.4	121.0
01/10/2020 07:00:00	14.4	121.0
01/10/2020 07:10:00	14.4	121.0
01/10/2020 07:20:00	14.4	121.0
01/10/2020 07:30:00	14.4	121.0
01/10/2020 07:40:00	14.4	121.0
01/10/2020 07:50:00	14.4	121.0
01/10/2020 08:00:00	14.4	121.0
01/10/2020 08:10:00	14.4	121.0
01/10/2020 08:20:00	14.4	121.0
01/10/2020 08:30:00	14.4	121.0
01/10/2020 08:40:00	14.4	121.0
01/10/2020 08:50:00	14.4	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)**

DATE & TIME	INOCULUM DRAIN TEMP TICR-0211/PV.CV	STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV
01/10/2020 09:00:00	14.4	121.0
01/10/2020 09:10:00	14.3	121.0
01/10/2020 09:20:00	14.3	121.0
01/10/2020 09:30:00	14.3	121.0
01/10/2020 09:40:00	14.3	121.0
01/10/2020 09:50:00	14.4	121.0
01/10/2020 10:00:00	14.4	121.0
01/10/2020 10:10:00	14.4	121.0
01/10/2020 10:20:00	14.7	121.0
01/10/2020 10:30:00	15.6	121.0
01/10/2020 10:40:00	16.4	121.0
01/10/2020 10:50:00	17.2	121.0
01/10/2020 11:00:00	17.7	121.0
01/10/2020 11:10:00	17.9	121.0
01/10/2020 11:20:00	18.0	121.0
01/10/2020 11:30:00	18.3	121.0
01/10/2020 11:40:00	98.1	121.0
01/10/2020 11:50:00	48.5	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)**

DATE & TIME	INOCULUM DRAIN TEMP TICR-0211/PV.CV	STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV
01/10/2020 12:00:00	31.3	121.0
01/10/2020 12:10:00	25.8	121.0
01/10/2020 12:20:00	103.6	121.0
01/10/2020 12:30:00	103.9	121.0
01/10/2020 12:40:00	46.4	121.0
01/10/2020 12:50:00	32.5	121.0
01/10/2020 13:00:00	27.1	121.0
01/10/2020 13:10:00	24.4	121.0
01/10/2020 13:20:00	22.7	121.0
01/10/2020 13:30:00	21.7	121.0
01/10/2020 13:40:00	21.0	121.0
01/10/2020 13:50:00	20.4	121.0
01/10/2020 14:00:00	19.9	121.0
01/10/2020 14:10:00	19.7	121.0
01/10/2020 14:20:00	19.8	121.0
01/10/2020 14:30:00	99.2	121.0
01/10/2020 14:40:00	107.1	121.0
01/10/2020 14:50:00	110.9	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)**

DATE & TIME	INOCULUM DRAIN TEMP TICR-0211/PV.CV	STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV
01/10/2020 15:00:00	112.6	121.0
01/10/2020 15:10:00	104.8	121.0
01/10/2020 15:20:00	47.0	121.0
01/10/2020 15:30:00	107.6	121.0
01/10/2020 15:40:00	56.2	121.0
01/10/2020 15:50:00	81.2	121.0
01/10/2020 16:00:00	39.1	121.0
01/10/2020 16:10:00	30.5	121.0
01/10/2020 16:20:00	29.1	121.0
01/10/2020 16:30:00	28.2	121.0
01/10/2020 16:40:00	27.5	121.0
01/10/2020 16:50:00	27.0	121.0
01/10/2020 17:00:00	26.7	121.0
01/10/2020 17:10:00	26.3	121.0
01/10/2020 17:20:00	26.2	121.0
01/10/2020 17:30:00	26.1	121.0
01/10/2020 17:40:00	26.1	121.0
01/10/2020 17:50:00	26.2	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

**INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)**

DATE & TIME	INOCULUM DRAIN TEMP TICR-0211/PV.CV	STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV
01/10/2020 18:00:00	26.3	121.0
01/10/2020 18:10:00	26.4	121.0
01/10/2020 18:20:00	26.5	121.0
01/10/2020 18:30:00	26.5	121.0
01/10/2020 18:40:00	26.5	121.0
01/10/2020 18:50:00	26.5	121.0
01/10/2020 19:00:00	26.5	121.0
01/10/2020 19:10:00	26.6	121.0
01/10/2020 19:20:00	26.6	121.0
01/10/2020 19:30:00	26.7	121.0
01/10/2020 19:40:00	26.7	121.0
01/10/2020 19:50:00	26.8	121.0
01/10/2020 20:00:00	26.8	121.0
01/10/2020 20:10:00	26.8	121.0
01/10/2020 20:20:00	26.9	121.0
01/10/2020 20:30:00	26.9	121.0
01/10/2020 20:40:00	26.9	121.0
01/10/2020 20:50:00	27.0	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)</b>		
<b>DATE &amp; TIME</b>	<b>INOCULUM DRAIN TEMP TICR-0211/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV</b>
01/10/2020 21:00:00	27.0	121.0
01/10/2020 21:10:00	27.0	121.0
01/10/2020 21:20:00	27.1	121.0
01/10/2020 21:30:00	27.1	121.0
01/10/2020 21:40:00	27.2	121.0
01/10/2020 21:50:00	27.2	121.0
01/10/2020 22:00:00	27.2	121.0
01/10/2020 22:10:00	27.3	121.0
01/10/2020 22:20:00	27.3	121.0
01/10/2020 22:30:00	27.3	121.0
01/10/2020 22:40:00	27.3	121.0
01/10/2020 22:50:00	27.4	121.0
01/10/2020 23:00:00	27.4	121.0
01/10/2020 23:10:00	27.4	121.0
01/10/2020 23:20:00	27.4	121.0
01/10/2020 23:30:00	27.5	121.0
01/10/2020 23:40:00	27.5	121.0
01/10/2020 23:50:00	27.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:18		Page 792 of 905



<b>INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)</b>		
<b>DATE &amp; TIME</b>	<b>INOCULUM DRAIN TEMP TICR-0211/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV</b>
02/10/2020 00:00:00	27.5	121.0
02/10/2020 00:10:00	27.5	121.0
02/10/2020 00:20:00	27.5	121.0
02/10/2020 00:30:00	27.5	121.0
02/10/2020 00:40:00	27.5	121.0
02/10/2020 00:50:00	27.6	121.0
02/10/2020 01:00:00	27.6	121.0
02/10/2020 01:10:00	27.6	121.0
02/10/2020 01:20:00	27.6	121.0
02/10/2020 01:30:00	27.6	121.0
02/10/2020 01:40:00	27.6	121.0
02/10/2020 01:50:00	27.6	121.0
02/10/2020 02:00:00	27.7	121.0
02/10/2020 02:10:00	27.7	121.0
02/10/2020 02:20:00	27.7	121.0
02/10/2020 02:30:00	27.7	121.0
02/10/2020 02:40:00	27.7	121.0
02/10/2020 02:50:00	27.7	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:18		Page 793 of 905

INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)		
DATE & TIME	INOCULUM DRAIN TEMP TICR-0211/PV.CV	STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV
02/10/2020 03:00:00	27.7	121.0
02/10/2020 03:10:00	27.7	121.0
02/10/2020 03:20:00	27.7	121.0
02/10/2020 03:30:00	27.8	121.0
02/10/2020 03:40:00	27.7	121.0
02/10/2020 03:50:00	27.8	121.0
02/10/2020 04:00:00	27.8	121.0
02/10/2020 04:10:00	27.8	121.0
02/10/2020 04:20:00	27.8	121.0
02/10/2020 04:30:00	27.8	121.0
02/10/2020 04:40:00	27.8	121.0
02/10/2020 04:50:00	27.8	121.0
02/10/2020 05:00:00	27.8	121.0
02/10/2020 05:10:00	27.8	121.0
02/10/2020 05:20:00	27.8	121.0
02/10/2020 05:30:00	27.8	121.0
02/10/2020 05:40:00	27.8	121.0
02/10/2020 05:50:00	27.8	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:18		Page 794 of 905

<b>INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)</b>		
<b>DATE &amp; TIME</b>	<b>INOCULUM DRAIN TEMP TICR-0211/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV</b>
02/10/2020 06:00:00	27.8	121.0
02/10/2020 06:10:00	27.8	121.0
02/10/2020 06:20:00	27.8	121.0
02/10/2020 06:30:00	27.8	121.0
02/10/2020 06:40:00	27.8	121.0
02/10/2020 06:50:00	27.8	121.0
02/10/2020 07:00:00	27.8	121.0
02/10/2020 07:10:00	27.8	121.0
02/10/2020 07:20:00	27.8	121.0
02/10/2020 07:30:00	27.8	121.0
02/10/2020 07:40:00	27.7	121.0
02/10/2020 07:50:00	27.7	121.0
02/10/2020 08:00:00	27.7	121.0
02/10/2020 08:10:00	27.6	121.0
02/10/2020 08:20:00	27.6	121.0
02/10/2020 08:30:00	27.6	121.0
02/10/2020 08:40:00	27.5	121.0
02/10/2020 08:50:00	27.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:18		Page 795 of 905

<b>INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)</b>		
<b>DATE &amp; TIME</b>	<b>INOCULUM DRAIN TEMP TICR-0211/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV</b>
02/10/2020 09:00:00	27.5	121.0
02/10/2020 09:10:00	27.5	121.0
02/10/2020 09:20:00	27.4	121.0
02/10/2020 09:30:00	27.4	121.0
02/10/2020 09:40:00	27.4	121.0
02/10/2020 09:50:00	27.3	121.0
02/10/2020 10:00:00	27.3	121.0
02/10/2020 10:10:00	27.3	121.0
02/10/2020 10:20:00	27.3	121.0
02/10/2020 10:30:00	27.3	121.0
02/10/2020 10:40:00	27.3	121.0
02/10/2020 10:50:00	27.3	121.0
02/10/2020 11:00:00	27.3	121.0
02/10/2020 11:10:00	27.3	121.0
02/10/2020 11:20:00	27.3	121.0
02/10/2020 11:30:00	27.3	121.0
02/10/2020 11:40:00	27.3	121.0
02/10/2020 11:50:00	27.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:18		Page 796 of 905

<b>INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)</b>		
<b>DATE &amp; TIME</b>	<b>INOCULUM DRAIN TEMP TICR-0211/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV</b>
02/10/2020 12:00:00	27.3	121.0
02/10/2020 12:10:00	27.3	121.0
02/10/2020 12:20:00	27.3	121.0
02/10/2020 12:30:00	27.3	121.0
02/10/2020 12:40:00	27.3	121.0
02/10/2020 12:50:00	27.3	121.0
02/10/2020 13:00:00	27.3	121.0
02/10/2020 13:10:00	27.3	121.0
02/10/2020 13:20:00	27.3	121.0
02/10/2020 13:30:00	27.3	121.0
02/10/2020 13:40:00	27.3	121.0
02/10/2020 13:50:00	27.3	121.0
02/10/2020 14:00:00	27.4	121.0
02/10/2020 14:10:00	27.4	121.0
02/10/2020 14:20:00	27.4	121.0
02/10/2020 14:30:00	27.4	121.0
02/10/2020 14:40:00	27.4	121.0
02/10/2020 14:50:00	27.4	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:18		Page 797 of 905

<b>INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)</b>		
<b>DATE &amp; TIME</b>	<b>INOCULUM DRAIN TEMP TICR-0211/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV</b>
02/10/2020 15:00:00	27.4	121.0
02/10/2020 15:10:00	27.4	121.0
02/10/2020 15:20:00	27.4	121.0
02/10/2020 15:30:00	27.4	121.0
02/10/2020 15:40:00	27.4	121.0
02/10/2020 15:50:00	27.4	121.0
02/10/2020 16:00:00	27.5	121.0
02/10/2020 16:10:00	27.5	121.0
02/10/2020 16:20:00	27.5	121.0
02/10/2020 16:30:00	27.5	121.0
02/10/2020 16:40:00	27.5	121.0
02/10/2020 16:50:00	27.5	121.0
02/10/2020 17:00:00	27.5	121.0
02/10/2020 17:10:00	27.5	121.0
02/10/2020 17:20:00	27.5	121.0
02/10/2020 17:30:00	27.5	121.0
02/10/2020 17:40:00	27.5	121.0
02/10/2020 17:50:00	27.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:18		Page 798 of 905

<b>INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)</b>		
<b>DATE &amp; TIME</b>	<b>INOCULUM DRAIN TEMP TICR-0211/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV</b>
02/10/2020 18:00:00	27.5	121.0
02/10/2020 18:10:00	27.5	121.0
02/10/2020 18:20:00	27.5	121.0
02/10/2020 18:30:00	27.5	121.0
02/10/2020 18:40:00	27.5	121.0
02/10/2020 18:50:00	27.5	121.0
02/10/2020 19:00:00	27.5	121.0
02/10/2020 19:10:00	27.5	121.0
02/10/2020 19:20:00	27.6	121.0
02/10/2020 19:30:00	27.6	121.0
02/10/2020 19:40:00	27.6	121.0
02/10/2020 19:50:00	27.6	121.0
02/10/2020 20:00:00	27.6	121.0
02/10/2020 20:10:00	27.6	121.0
02/10/2020 20:20:00	27.6	121.0
02/10/2020 20:30:00	27.6	121.0
02/10/2020 20:40:00	27.6	121.0
02/10/2020 20:50:00	27.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:18		Page 799 of 905

INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)		
DATE & TIME	INOCULUM DRAIN TEMP TICR-0211/PV.CV	STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV
02/10/2020 21:00:00	27.6	121.0
02/10/2020 21:10:00	27.6	121.0
02/10/2020 21:20:00	27.6	121.0
02/10/2020 21:30:00	27.6	121.0
02/10/2020 21:40:00	27.6	121.0
02/10/2020 21:50:00	27.6	121.0
02/10/2020 22:00:00	27.6	121.0
02/10/2020 22:10:00	27.6	121.0
02/10/2020 22:20:00	27.6	121.0
02/10/2020 22:30:00	27.6	121.0
02/10/2020 22:40:00	27.6	121.0
02/10/2020 22:50:00	27.6	121.0
02/10/2020 23:00:00	27.6	121.0
02/10/2020 23:10:00	27.6	121.0
02/10/2020 23:20:00	27.6	121.0
02/10/2020 23:30:00	27.6	121.0
02/10/2020 23:40:00	27.6	121.0
02/10/2020 23:50:00	27.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:18		Page 800 of 905



INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)		
DATE & TIME	INOCULUM DRAIN TEMP TICR-0211/PV.CV	STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV
03/10/2020 00:00:00	27.6	121.0
03/10/2020 00:10:00	27.6	121.0
03/10/2020 00:20:00	27.6	121.0
03/10/2020 00:30:00	27.6	121.0
03/10/2020 00:40:00	27.6	121.0
03/10/2020 00:50:00	27.6	121.0
03/10/2020 01:00:00	27.6	121.0
03/10/2020 01:10:00	27.5	121.0
03/10/2020 01:20:00	27.5	121.0
03/10/2020 01:30:00	27.5	121.0
03/10/2020 01:40:00	27.5	121.0
03/10/2020 01:50:00	27.5	121.0
03/10/2020 02:00:00	27.5	121.0
03/10/2020 02:10:00	27.5	121.0
03/10/2020 02:20:00	27.5	121.0
03/10/2020 02:30:00	27.5	121.0
03/10/2020 02:40:00	27.5	121.0
03/10/2020 02:50:00	27.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:18		Page 801 of 905

INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)		
DATE & TIME	INOCULUM DRAIN TEMP TICR-0211/PV.CV	STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV
03/10/2020 03:00:00	27.5	121.0
03/10/2020 03:10:00	27.5	121.0
03/10/2020 03:20:00	27.5	121.0
03/10/2020 03:30:00	27.5	121.0
03/10/2020 03:40:00	27.5	121.0
03/10/2020 03:50:00	27.5	121.0
03/10/2020 04:00:00	27.5	121.0
03/10/2020 04:10:00	27.5	121.0
03/10/2020 04:20:00	27.5	121.0
03/10/2020 04:30:00	27.5	121.0
03/10/2020 04:40:00	27.5	121.0
03/10/2020 04:50:00	27.4	121.0
03/10/2020 05:00:00	27.4	121.0
03/10/2020 05:10:00	27.4	121.0
03/10/2020 05:20:00	27.4	121.0
03/10/2020 05:30:00	27.4	121.0
03/10/2020 05:40:00	27.4	121.0
03/10/2020 05:50:00	27.4	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:18		Page 802 of 905

<b>INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)</b>		
<b>DATE &amp; TIME</b>	<b>INOCULUM DRAIN TEMP TICR-0211/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV</b>
03/10/2020 06:00:00	27.4	121.0
03/10/2020 06:10:00	27.4	121.0
03/10/2020 06:20:00	27.4	121.0
03/10/2020 06:30:00	27.3	121.0
03/10/2020 06:40:00	27.3	121.0
03/10/2020 06:50:00	27.3	121.0
03/10/2020 07:00:00	27.3	121.0
03/10/2020 07:10:00	27.3	121.0
03/10/2020 07:20:00	27.3	121.0
03/10/2020 07:30:00	27.2	121.0
03/10/2020 07:40:00	27.2	121.0
03/10/2020 07:50:00	27.2	121.0
03/10/2020 08:00:00	27.2	121.0
03/10/2020 08:10:00	27.2	121.0
03/10/2020 08:20:00	27.2	121.0
03/10/2020 08:30:00	27.2	121.0
03/10/2020 08:40:00	27.2	121.0
03/10/2020 08:50:00	27.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:18		Page 803 of 905

<b>INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)</b>		
<b>DATE &amp; TIME</b>	<b>INOCULUM DRAIN TEMP TICR-0211/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV</b>
03/10/2020 09:00:00	27.2	121.0
03/10/2020 09:10:00	27.2	121.0
03/10/2020 09:20:00	27.2	121.0
03/10/2020 09:30:00	27.3	121.0
03/10/2020 09:40:00	27.3	121.0
03/10/2020 09:50:00	27.3	121.0
03/10/2020 10:00:00	27.3	121.0
03/10/2020 10:10:00	27.3	121.0
03/10/2020 10:20:00	27.3	121.0
03/10/2020 10:30:00	27.3	121.0
03/10/2020 10:40:00	27.3	121.0
03/10/2020 10:50:00	27.3	121.0
03/10/2020 11:00:00	26.1	121.0
03/10/2020 11:10:00	22.8	121.0
03/10/2020 11:20:00	20.8	121.0
03/10/2020 11:30:00	19.4	121.0
03/10/2020 11:40:00	18.5	121.0
03/10/2020 11:50:00	17.9	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:18		Page 804 of 905

<b>INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)</b>		
<b>DATE &amp; TIME</b>	<b>INOCULUM DRAIN TEMP TICR-0211/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV</b>
03/10/2020 12:00:00	17.4	121.0
03/10/2020 12:10:00	17.1	121.0
03/10/2020 12:20:00	16.8	121.0
03/10/2020 12:30:00	16.6	121.0
03/10/2020 12:40:00	16.4	121.0
03/10/2020 12:50:00	16.3	121.0
03/10/2020 13:00:00	16.2	121.0
03/10/2020 13:10:00	16.1	121.0
03/10/2020 13:20:00	16.0	121.0
03/10/2020 13:30:00	15.9	121.0
03/10/2020 13:40:00	15.8	121.0
03/10/2020 13:50:00	16.1	121.0
03/10/2020 14:00:00	16.0	121.0
03/10/2020 14:10:00	16.0	121.0
03/10/2020 14:20:00	15.9	121.0
03/10/2020 14:30:00	16.0	121.0
03/10/2020 14:40:00	16.1	121.0
03/10/2020 14:50:00	16.1	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:18		Page 805 of 905

**INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)**

DATE & TIME	INOCULUM DRAIN TEMP TICR-0211/PV.CV	STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV
03/10/2020 15:00:00	16.1	121.0
03/10/2020 15:10:00	16.0	121.0
03/10/2020 15:20:00	16.0	121.0
03/10/2020 15:30:00	16.0	121.0
03/10/2020 15:40:00	16.1	121.0
03/10/2020 15:50:00	16.9	121.0
03/10/2020 16:00:00	17.9	121.0
03/10/2020 16:10:00	18.7	121.0
03/10/2020 16:20:00	19.5	121.0
03/10/2020 16:30:00	20.1	121.0
03/10/2020 16:40:00	20.7	121.0
03/10/2020 16:50:00	21.2	121.0
03/10/2020 17:00:00	21.6	121.0
03/10/2020 17:10:00	22.0	121.0
03/10/2020 17:20:00	22.3	121.0
03/10/2020 17:30:00	22.6	121.0
03/10/2020 17:40:00	22.8	121.0
03/10/2020 17:50:00	23.1	121.0

Checked By: USER\_OPERATOR

Verified By:- USER\_SUPERVISOR

Approved By: - USER\_MANAGER

<b>INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)</b>		
<b>DATE &amp; TIME</b>	<b>INOCULUM DRAIN TEMP TICR-0211/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV</b>
03/10/2020 18:00:00	23.3	121.0
03/10/2020 18:10:00	23.5	121.0
03/10/2020 18:20:00	23.7	121.0
03/10/2020 18:30:00	23.9	121.0
03/10/2020 18:40:00	24.1	121.0
03/10/2020 18:50:00	24.3	121.0
03/10/2020 19:00:00	24.5	121.0
03/10/2020 19:10:00	24.6	121.0
03/10/2020 19:20:00	24.7	121.0
03/10/2020 19:30:00	24.9	121.0
03/10/2020 19:40:00	24.9	121.0
03/10/2020 19:50:00	25.0	121.0
03/10/2020 20:00:00	25.0	121.0
03/10/2020 20:10:00	25.1	121.0
03/10/2020 20:20:00	25.2	121.0
03/10/2020 20:30:00	25.2	121.0
03/10/2020 20:40:00	25.3	121.0
03/10/2020 20:50:00	25.3	121.0

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<b>INDEPENDENT INOCULUM LINE STERILIZATION (IINLS)</b>		
<b>DATE &amp; TIME</b>	<b>INOCULUM DRAIN TEMP TICR-0211/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IINLS-ST01) 200-RPT/TICR-211_SP_IINL.CV</b>
03/10/2020 21:00:00	25.3	121.0
03/10/2020 21:10:00	25.4	121.0
03/10/2020 21:20:00	25.5	121.0
03/10/2020 21:30:00	25.5	121.0
03/10/2020 21:40:00	25.6	121.0
03/10/2020 21:50:00	25.6	121.0
03/10/2020 22:00:00	25.6	121.0
03/10/2020 22:10:00	25.7	121.0
03/10/2020 22:20:00	25.7	121.0
03/10/2020 22:30:00	25.8	121.0
03/10/2020 22:40:00	25.8	121.0
03/10/2020 22:50:00	25.9	121.0
03/10/2020 23:00:00	26.0	121.0
03/10/2020 23:10:00	26.1	121.0
03/10/2020 23:20:00	26.1	121.0
03/10/2020 23:30:00	26.2	121.0
03/10/2020 23:40:00	26.2	121.0
03/10/2020 23:50:00	26.2	121.0

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**INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)**

DATE & TIME	ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV	STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV	ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV
01/10/2020 00:00:00	16.2	121.0	16.3
01/10/2020 00:10:00	16.1	121.0	16.3
01/10/2020 00:20:00	16.1	121.0	16.3
01/10/2020 00:30:00	16.1	121.0	16.3
01/10/2020 00:40:00	16.1	121.0	16.3
01/10/2020 00:50:00	16.1	121.0	16.3
01/10/2020 01:00:00	16.1	121.0	16.3
01/10/2020 01:10:00	16.0	121.0	16.2
01/10/2020 01:20:00	16.0	121.0	16.2
01/10/2020 01:30:00	16.0	121.0	16.2
01/10/2020 01:40:00	16.0	121.0	16.2
01/10/2020 01:50:00	16.0	121.0	16.2
01/10/2020 02:00:00	16.0	121.0	16.2
01/10/2020 02:10:00	16.0	121.0	16.1
01/10/2020 02:20:00	15.9	121.0	16.1
01/10/2020 02:30:00	15.9	121.0	16.1
01/10/2020 02:40:00	15.9	121.0	16.1
01/10/2020 02:50:00	15.9	121.0	16.1

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<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
01/10/2020 03:00:00	15.9	121.0	16.0
01/10/2020 03:10:00	15.9	121.0	16.0
01/10/2020 03:20:00	15.8	121.0	16.0
01/10/2020 03:30:00	15.8	121.0	16.0
01/10/2020 03:40:00	15.8	121.0	16.0
01/10/2020 03:50:00	15.8	121.0	16.0
01/10/2020 04:00:00	15.8	121.0	16.0
01/10/2020 04:10:00	15.8	121.0	16.0
01/10/2020 04:20:00	15.7	121.0	15.9
01/10/2020 04:30:00	15.7	121.0	15.9
01/10/2020 04:40:00	15.7	121.0	15.9
01/10/2020 04:50:00	15.7	121.0	15.9
01/10/2020 05:00:00	15.7	121.0	15.9
01/10/2020 05:10:00	15.6	121.0	15.8
01/10/2020 05:20:00	15.6	121.0	15.8
01/10/2020 05:30:00	15.6	121.0	15.8
01/10/2020 05:40:00	15.6	121.0	15.8
01/10/2020 05:50:00	15.6	121.0	15.8

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<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
01/10/2020 06:00:00	15.6	121.0	15.8
01/10/2020 06:10:00	15.6	121.0	15.8
01/10/2020 06:20:00	15.6	121.0	15.8
01/10/2020 06:30:00	15.6	121.0	15.7
01/10/2020 06:40:00	15.5	121.0	15.7
01/10/2020 06:50:00	15.5	121.0	15.7
01/10/2020 07:00:00	15.5	121.0	15.7
01/10/2020 07:10:00	15.5	121.0	15.7
01/10/2020 07:20:00	15.5	121.0	15.7
01/10/2020 07:30:00	15.5	121.0	15.7
01/10/2020 07:40:00	15.5	121.0	15.7
01/10/2020 07:50:00	15.5	121.0	15.7
01/10/2020 08:00:00	15.5	121.0	15.7
01/10/2020 08:10:00	15.5	121.0	15.7
01/10/2020 08:20:00	15.5	121.0	15.7
01/10/2020 08:30:00	15.5	121.0	15.7
01/10/2020 08:40:00	15.5	121.0	15.7
01/10/2020 08:50:00	15.5	121.0	15.7

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<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
01/10/2020 09:00:00	15.5	121.0	15.6
01/10/2020 09:10:00	15.4	121.0	15.6
01/10/2020 09:20:00	15.4	121.0	15.6
01/10/2020 09:30:00	15.4	121.0	15.6
01/10/2020 09:40:00	15.4	121.0	15.6
01/10/2020 09:50:00	15.5	121.0	15.6
01/10/2020 10:00:00	15.4	121.0	15.6
01/10/2020 10:10:00	15.4	121.0	15.6
01/10/2020 10:20:00	15.6	121.0	15.8
01/10/2020 10:30:00	16.4	121.0	16.5
01/10/2020 10:40:00	17.4	121.0	17.4
01/10/2020 10:50:00	18.4	121.0	18.4
01/10/2020 11:00:00	18.8	121.0	18.8
01/10/2020 11:10:00	19.3	121.0	19.2
01/10/2020 11:20:00	18.8	121.0	19.5
01/10/2020 11:30:00	19.8	121.0	19.9
01/10/2020 11:40:00	98.7	121.0	99.9
01/10/2020 11:50:00	48.4	121.0	50.5

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<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
01/10/2020 12:00:00	29.6	121.0	30.8
01/10/2020 12:10:00	24.7	121.0	25.5
01/10/2020 12:20:00	103.7	121.0	104.8
01/10/2020 12:30:00	103.9	121.0	104.9
01/10/2020 12:40:00	44.7	121.0	45.3
01/10/2020 12:50:00	30.9	121.0	31.4
01/10/2020 13:00:00	26.1	121.0	26.5
01/10/2020 13:10:00	23.8	121.0	24.2
01/10/2020 13:20:00	22.6	121.0	22.9
01/10/2020 13:30:00	21.9	121.0	22.0
01/10/2020 13:40:00	21.4	121.0	21.5
01/10/2020 13:50:00	20.9	121.0	21.1
01/10/2020 14:00:00	20.7	121.0	20.8
01/10/2020 14:10:00	22.8	121.0	23.2
01/10/2020 14:20:00	21.1	121.0	21.5
01/10/2020 14:30:00	99.5	121.0	100.6
01/10/2020 14:40:00	107.1	121.0	108.1
01/10/2020 14:50:00	110.9	121.0	112.0

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<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
01/10/2020 15:00:00	112.6	121.0	113.6
01/10/2020 15:10:00	100.8	121.0	103.6
01/10/2020 15:20:00	42.6	121.0	46.7
01/10/2020 15:30:00	107.8	121.0	108.7
01/10/2020 15:40:00	55.9	121.0	58.3
01/10/2020 15:50:00	87.5	121.0	85.4
01/10/2020 16:00:00	41.9	121.0	42.4
01/10/2020 16:10:00	30.6	121.0	31.5
01/10/2020 16:20:00	28.0	121.0	28.8
01/10/2020 16:30:00	27.0	121.0	27.7
01/10/2020 16:40:00	26.9	121.0	27.4
01/10/2020 16:50:00	26.8	121.0	27.3
01/10/2020 17:00:00	26.9	121.0	27.3
01/10/2020 17:10:00	26.9	121.0	27.3
01/10/2020 17:20:00	26.9	121.0	27.3
01/10/2020 17:30:00	27.0	121.0	27.3
01/10/2020 17:40:00	27.0	121.0	27.3
01/10/2020 17:50:00	27.1	121.0	27.4

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<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
01/10/2020 18:00:00	27.1	121.0	27.4
01/10/2020 18:10:00	27.2	121.0	27.5
01/10/2020 18:20:00	27.2	121.0	27.5
01/10/2020 18:30:00	27.3	121.0	27.6
01/10/2020 18:40:00	27.4	121.0	27.6
01/10/2020 18:50:00	27.4	121.0	27.7
01/10/2020 19:00:00	27.4	121.0	27.7
01/10/2020 19:10:00	27.5	121.0	27.7
01/10/2020 19:20:00	27.5	121.0	27.8
01/10/2020 19:30:00	27.6	121.0	27.8
01/10/2020 19:40:00	27.6	121.0	27.8
01/10/2020 19:50:00	27.7	121.0	27.9
01/10/2020 20:00:00	27.7	121.0	27.9
01/10/2020 20:10:00	27.7	121.0	27.9
01/10/2020 20:20:00	27.7	121.0	28.0
01/10/2020 20:30:00	27.8	121.0	28.0
01/10/2020 20:40:00	27.8	121.0	28.0
01/10/2020 20:50:00	27.8	121.0	28.0

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<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
01/10/2020 21:00:00	27.9	121.0	28.1
01/10/2020 21:10:00	27.9	121.0	28.1
01/10/2020 21:20:00	27.9	121.0	28.1
01/10/2020 21:30:00	28.0	121.0	28.2
01/10/2020 21:40:00	28.0	121.0	28.2
01/10/2020 21:50:00	28.0	121.0	28.2
01/10/2020 22:00:00	28.0	121.0	28.2
01/10/2020 22:10:00	28.0	121.0	28.3
01/10/2020 22:20:00	28.1	121.0	28.3
01/10/2020 22:30:00	28.1	121.0	28.3
01/10/2020 22:40:00	28.1	121.0	28.3
01/10/2020 22:50:00	28.1	121.0	28.3
01/10/2020 23:00:00	28.2	121.0	28.4
01/10/2020 23:10:00	28.2	121.0	28.4
01/10/2020 23:20:00	28.2	121.0	28.4
01/10/2020 23:30:00	28.2	121.0	28.4
01/10/2020 23:40:00	28.3	121.0	28.5
01/10/2020 23:50:00	28.3	121.0	28.5

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<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
02/10/2020 00:00:00	28.3	121.0	28.5
02/10/2020 00:10:00	28.3	121.0	28.5
02/10/2020 00:20:00	28.3	121.0	28.5
02/10/2020 00:30:00	28.4	121.0	28.5
02/10/2020 00:40:00	28.4	121.0	28.6
02/10/2020 00:50:00	28.4	121.0	28.6
02/10/2020 01:00:00	28.4	121.0	28.6
02/10/2020 01:10:00	28.4	121.0	28.6
02/10/2020 01:20:00	28.4	121.0	28.6
02/10/2020 01:30:00	28.4	121.0	28.6
02/10/2020 01:40:00	28.4	121.0	28.6
02/10/2020 01:50:00	28.4	121.0	28.6
02/10/2020 02:00:00	28.5	121.0	28.6
02/10/2020 02:10:00	28.5	121.0	28.6
02/10/2020 02:20:00	28.5	121.0	28.6
02/10/2020 02:30:00	28.5	121.0	28.7
02/10/2020 02:40:00	28.5	121.0	28.7
02/10/2020 02:50:00	28.5	121.0	28.7

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<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
02/10/2020 03:00:00	28.5	121.0	28.7
02/10/2020 03:10:00	28.5	121.0	28.7
02/10/2020 03:20:00	28.5	121.0	28.7
02/10/2020 03:30:00	28.5	121.0	28.7
02/10/2020 03:40:00	28.5	121.0	28.7
02/10/2020 03:50:00	28.5	121.0	28.7
02/10/2020 04:00:00	28.5	121.0	28.7
02/10/2020 04:10:00	28.5	121.0	28.7
02/10/2020 04:20:00	28.5	121.0	28.7
02/10/2020 04:30:00	28.5	121.0	28.7
02/10/2020 04:40:00	28.5	121.0	28.7
02/10/2020 04:50:00	28.5	121.0	28.7
02/10/2020 05:00:00	28.5	121.0	28.7
02/10/2020 05:10:00	28.5	121.0	28.7
02/10/2020 05:20:00	28.5	121.0	28.7
02/10/2020 05:30:00	28.5	121.0	28.7
02/10/2020 05:40:00	28.5	121.0	28.7
02/10/2020 05:50:00	28.5	121.0	28.7

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<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
02/10/2020 06:00:00	28.5	121.0	28.7
02/10/2020 06:10:00	28.5	121.0	28.7
02/10/2020 06:20:00	28.5	121.0	28.7
02/10/2020 06:30:00	28.5	121.0	28.7
02/10/2020 06:40:00	28.5	121.0	28.7
02/10/2020 06:50:00	28.5	121.0	28.7
02/10/2020 07:00:00	28.5	121.0	28.7
02/10/2020 07:10:00	28.5	121.0	28.7
02/10/2020 07:20:00	28.5	121.0	28.7
02/10/2020 07:30:00	28.5	121.0	28.7
02/10/2020 07:40:00	28.5	121.0	28.6
02/10/2020 07:50:00	28.4	121.0	28.6
02/10/2020 08:00:00	28.4	121.0	28.5
02/10/2020 08:10:00	28.3	121.0	28.4
02/10/2020 08:20:00	28.2	121.0	28.4
02/10/2020 08:30:00	28.1	121.0	28.3
02/10/2020 08:40:00	28.1	121.0	28.3
02/10/2020 08:50:00	28.0	121.0	28.2

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<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
02/10/2020 09:00:00	28.0	121.0	28.2
02/10/2020 09:10:00	27.9	121.0	28.1
02/10/2020 09:20:00	27.9	121.0	28.1
02/10/2020 09:30:00	27.8	121.0	28.0
02/10/2020 09:40:00	27.8	121.0	28.0
02/10/2020 09:50:00	27.7	121.0	27.9
02/10/2020 10:00:00	27.7	121.0	27.9
02/10/2020 10:10:00	27.7	121.0	27.9
02/10/2020 10:20:00	27.7	121.0	27.9
02/10/2020 10:30:00	27.7	121.0	27.8
02/10/2020 10:40:00	27.7	121.0	27.8
02/10/2020 10:50:00	27.6	121.0	27.8
02/10/2020 11:00:00	27.6	121.0	27.8
02/10/2020 11:10:00	27.6	121.0	27.8
02/10/2020 11:20:00	27.6	121.0	27.8
02/10/2020 11:30:00	27.6	121.0	27.8
02/10/2020 11:40:00	27.6	121.0	27.8
02/10/2020 11:50:00	27.6	121.0	27.8

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:20		Page 820 of 905

<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
02/10/2020 12:00:00	27.6	121.0	27.8
02/10/2020 12:10:00	27.6	121.0	27.8
02/10/2020 12:20:00	27.7	121.0	27.8
02/10/2020 12:30:00	27.7	121.0	27.8
02/10/2020 12:40:00	27.7	121.0	27.9
02/10/2020 12:50:00	27.7	121.0	27.9
02/10/2020 13:00:00	27.7	121.0	27.9
02/10/2020 13:10:00	27.7	121.0	27.9
02/10/2020 13:20:00	27.7	121.0	27.9
02/10/2020 13:30:00	27.7	121.0	27.9
02/10/2020 13:40:00	27.7	121.0	27.9
02/10/2020 13:50:00	27.7	121.0	27.9
02/10/2020 14:00:00	27.7	121.0	27.9
02/10/2020 14:10:00	27.8	121.0	28.0
02/10/2020 14:20:00	27.8	121.0	28.0
02/10/2020 14:30:00	27.8	121.0	28.0
02/10/2020 14:40:00	27.8	121.0	28.0
02/10/2020 14:50:00	27.8	121.0	28.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:20		Page 821 of 905

**INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)**

DATE & TIME	ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV	STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV	ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV
02/10/2020 15:00:00	27.8	121.0	28.0
02/10/2020 15:10:00	27.8	121.0	28.0
02/10/2020 15:20:00	27.8	121.0	28.0
02/10/2020 15:30:00	27.8	121.0	28.0
02/10/2020 15:40:00	27.9	121.0	28.0
02/10/2020 15:50:00	27.9	121.0	28.1
02/10/2020 16:00:00	27.9	121.0	28.1
02/10/2020 16:10:00	27.9	121.0	28.1
02/10/2020 16:20:00	27.9	121.0	28.1
02/10/2020 16:30:00	27.9	121.0	28.1
02/10/2020 16:40:00	27.9	121.0	28.1
02/10/2020 16:50:00	27.9	121.0	28.1
02/10/2020 17:00:00	27.9	121.0	28.1
02/10/2020 17:10:00	27.9	121.0	28.1
02/10/2020 17:20:00	27.9	121.0	28.1
02/10/2020 17:30:00	28.0	121.0	28.2
02/10/2020 17:40:00	28.0	121.0	28.2
02/10/2020 17:50:00	28.0	121.0	28.2

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:20		Page 822 of 905

**INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)**

DATE & TIME	ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV	STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV	ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV
02/10/2020 18:00:00	28.0	121.0	28.2
02/10/2020 18:10:00	28.0	121.0	28.2
02/10/2020 18:20:00	28.0	121.0	28.2
02/10/2020 18:30:00	28.0	121.0	28.2
02/10/2020 18:40:00	28.0	121.0	28.2
02/10/2020 18:50:00	28.0	121.0	28.2
02/10/2020 19:00:00	28.0	121.0	28.2
02/10/2020 19:10:00	28.0	121.0	28.2
02/10/2020 19:20:00	28.0	121.0	28.2
02/10/2020 19:30:00	28.0	121.0	28.2
02/10/2020 19:40:00	28.0	121.0	28.2
02/10/2020 19:50:00	28.0	121.0	28.2
02/10/2020 20:00:00	28.0	121.0	28.2
02/10/2020 20:10:00	28.0	121.0	28.2
02/10/2020 20:20:00	28.0	121.0	28.2
02/10/2020 20:30:00	28.0	121.0	28.2
02/10/2020 20:40:00	28.0	121.0	28.3
02/10/2020 20:50:00	28.0	121.0	28.3

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:20		Page 823 of 905

<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
02/10/2020 21:00:00	28.0	121.0	28.3
02/10/2020 21:10:00	28.1	121.0	28.3
02/10/2020 21:20:00	28.1	121.0	28.3
02/10/2020 21:30:00	28.0	121.0	28.3
02/10/2020 21:40:00	28.1	121.0	28.3
02/10/2020 21:50:00	28.1	121.0	28.3
02/10/2020 22:00:00	28.0	121.0	28.3
02/10/2020 22:10:00	28.1	121.0	28.3
02/10/2020 22:20:00	28.1	121.0	28.3
02/10/2020 22:30:00	28.0	121.0	28.3
02/10/2020 22:40:00	28.0	121.0	28.2
02/10/2020 22:50:00	28.0	121.0	28.2
02/10/2020 23:00:00	28.0	121.0	28.2
02/10/2020 23:10:00	28.0	121.0	28.2
02/10/2020 23:20:00	28.0	121.0	28.2
02/10/2020 23:30:00	28.0	121.0	28.2
02/10/2020 23:40:00	28.0	121.0	28.2
02/10/2020 23:50:00	28.0	121.0	28.2

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:20		Page 824 of 905



<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
03/10/2020 00:00:00	28.0	121.0	28.2
03/10/2020 00:10:00	28.0	121.0	28.2
03/10/2020 00:20:00	28.0	121.0	28.2
03/10/2020 00:30:00	28.0	121.0	28.2
03/10/2020 00:40:00	28.0	121.0	28.2
03/10/2020 00:50:00	28.0	121.0	28.2
03/10/2020 01:00:00	28.0	121.0	28.2
03/10/2020 01:10:00	28.0	121.0	28.2
03/10/2020 01:20:00	28.0	121.0	28.2
03/10/2020 01:30:00	28.0	121.0	28.2
03/10/2020 01:40:00	28.0	121.0	28.2
03/10/2020 01:50:00	28.0	121.0	28.2
03/10/2020 02:00:00	28.0	121.0	28.1
03/10/2020 02:10:00	27.9	121.0	28.1
03/10/2020 02:20:00	27.9	121.0	28.1
03/10/2020 02:30:00	27.9	121.0	28.1
03/10/2020 02:40:00	27.9	121.0	28.1
03/10/2020 02:50:00	27.9	121.0	28.1

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:20		Page 825 of 905

<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
03/10/2020 03:00:00	27.9	121.0	28.1
03/10/2020 03:10:00	27.9	121.0	28.1
03/10/2020 03:20:00	27.9	121.0	28.1
03/10/2020 03:30:00	27.9	121.0	28.1
03/10/2020 03:40:00	27.9	121.0	28.1
03/10/2020 03:50:00	27.9	121.0	28.1
03/10/2020 04:00:00	27.9	121.0	28.1
03/10/2020 04:10:00	27.9	121.0	28.1
03/10/2020 04:20:00	27.9	121.0	28.1
03/10/2020 04:30:00	27.9	121.0	28.1
03/10/2020 04:40:00	27.9	121.0	28.1
03/10/2020 04:50:00	27.9	121.0	28.1
03/10/2020 05:00:00	27.9	121.0	28.1
03/10/2020 05:10:00	27.9	121.0	28.0
03/10/2020 05:20:00	27.9	121.0	28.0
03/10/2020 05:30:00	27.8	121.0	28.0
03/10/2020 05:40:00	27.8	121.0	28.0
03/10/2020 05:50:00	27.8	121.0	28.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:20		Page 826 of 905

<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
03/10/2020 06:00:00	27.8	121.0	28.0
03/10/2020 06:10:00	27.8	121.0	28.0
03/10/2020 06:20:00	27.8	121.0	28.0
03/10/2020 06:30:00	27.8	121.0	28.0
03/10/2020 06:40:00	27.8	121.0	28.0
03/10/2020 06:50:00	27.8	121.0	28.0
03/10/2020 07:00:00	27.7	121.0	28.0
03/10/2020 07:10:00	27.7	121.0	27.9
03/10/2020 07:20:00	27.7	121.0	27.9
03/10/2020 07:30:00	27.7	121.0	27.9
03/10/2020 07:40:00	27.7	121.0	27.9
03/10/2020 07:50:00	27.7	121.0	27.9
03/10/2020 08:00:00	27.7	121.0	27.9
03/10/2020 08:10:00	27.7	121.0	27.9
03/10/2020 08:20:00	27.7	121.0	27.8
03/10/2020 08:30:00	27.7	121.0	27.8
03/10/2020 08:40:00	27.6	121.0	27.8
03/10/2020 08:50:00	27.7	121.0	27.8

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:20		Page 827 of 905

<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
03/10/2020 09:00:00	27.7	121.0	27.8
03/10/2020 09:10:00	27.7	121.0	27.8
03/10/2020 09:20:00	27.7	121.0	27.9
03/10/2020 09:30:00	27.7	121.0	27.9
03/10/2020 09:40:00	27.8	121.0	28.0
03/10/2020 09:50:00	27.8	121.0	28.0
03/10/2020 10:00:00	27.7	121.0	27.9
03/10/2020 10:10:00	27.7	121.0	27.9
03/10/2020 10:20:00	27.7	121.0	27.9
03/10/2020 10:30:00	27.7	121.0	27.9
03/10/2020 10:40:00	27.8	121.0	27.9
03/10/2020 10:50:00	27.8	121.0	27.9
03/10/2020 11:00:00	27.4	121.0	27.6
03/10/2020 11:10:00	25.5	121.0	25.7
03/10/2020 11:20:00	23.9	121.0	23.9
03/10/2020 11:30:00	22.5	121.0	22.5
03/10/2020 11:40:00	21.5	121.0	21.5
03/10/2020 11:50:00	20.7	121.0	20.6

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:20		Page 828 of 905

<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
03/10/2020 12:00:00	20.1	121.0	20.0
03/10/2020 12:10:00	19.6	121.0	19.6
03/10/2020 12:20:00	19.2	121.0	19.2
03/10/2020 12:30:00	18.9	121.0	18.9
03/10/2020 12:40:00	18.6	121.0	18.7
03/10/2020 12:50:00	18.4	121.0	18.5
03/10/2020 13:00:00	18.3	121.0	18.3
03/10/2020 13:10:00	18.1	121.0	18.2
03/10/2020 13:20:00	18.0	121.0	18.1
03/10/2020 13:30:00	17.8	121.0	17.9
03/10/2020 13:40:00	17.7	121.0	17.9
03/10/2020 13:50:00	17.7	121.0	17.8
03/10/2020 14:00:00	17.7	121.0	17.9
03/10/2020 14:10:00	17.7	121.0	17.9
03/10/2020 14:20:00	17.6	121.0	17.7
03/10/2020 14:30:00	17.6	121.0	17.7
03/10/2020 14:40:00	17.7	121.0	17.8
03/10/2020 14:50:00	17.8	121.0	17.8

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:20		Page 829 of 905

<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
03/10/2020 15:00:00	17.8	121.0	17.9
03/10/2020 15:10:00	17.8	121.0	17.9
03/10/2020 15:20:00	17.8	121.0	17.9
03/10/2020 15:30:00	17.8	121.0	17.9
03/10/2020 15:40:00	17.8	121.0	17.9
03/10/2020 15:50:00	18.4	121.0	18.5
03/10/2020 16:00:00	19.6	121.0	19.7
03/10/2020 16:10:00	20.4	121.0	20.5
03/10/2020 16:20:00	21.1	121.0	21.2
03/10/2020 16:30:00	21.6	121.0	21.7
03/10/2020 16:40:00	22.0	121.0	22.1
03/10/2020 16:50:00	22.4	121.0	22.5
03/10/2020 17:00:00	22.7	121.0	22.8
03/10/2020 17:10:00	23.0	121.0	23.1
03/10/2020 17:20:00	23.3	121.0	23.4
03/10/2020 17:30:00	23.5	121.0	23.6
03/10/2020 17:40:00	23.8	121.0	23.8
03/10/2020 17:50:00	24.0	121.0	24.1

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:20		Page 830 of 905

<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
03/10/2020 18:00:00	24.2	121.0	24.2
03/10/2020 18:10:00	24.2	121.0	24.3
03/10/2020 18:20:00	24.3	121.0	24.4
03/10/2020 18:30:00	24.4	121.0	24.6
03/10/2020 18:40:00	24.6	121.0	24.7
03/10/2020 18:50:00	24.8	121.0	24.9
03/10/2020 19:00:00	24.9	121.0	25.0
03/10/2020 19:10:00	25.0	121.0	25.2
03/10/2020 19:20:00	25.1	121.0	25.3
03/10/2020 19:30:00	25.2	121.0	25.4
03/10/2020 19:40:00	25.4	121.0	25.5
03/10/2020 19:50:00	25.5	121.0	25.7
03/10/2020 20:00:00	25.6	121.0	25.8
03/10/2020 20:10:00	25.7	121.0	25.9
03/10/2020 20:20:00	25.8	121.0	26.0
03/10/2020 20:30:00	25.9	121.0	26.1
03/10/2020 20:40:00	26.0	121.0	26.2
03/10/2020 20:50:00	26.0	121.0	26.2

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:20		Page 831 of 905

<b>INDEPENDENT EXHAUST FILTER STERILIZATION (IEFS)</b>			
<b>DATE &amp; TIME</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0212/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IEFS-ST01) 200-RPT/TICR-212_SP_IEFS.CV</b>	<b>ESHAUST LINE DRAIN TEMP TICR-0213/PV.CV</b>
03/10/2020 21:00:00	26.1	121.0	26.3
03/10/2020 21:10:00	26.2	121.0	26.4
03/10/2020 21:20:00	26.2	121.0	26.4
03/10/2020 21:30:00	26.3	121.0	26.5
03/10/2020 21:40:00	26.3	121.0	26.5
03/10/2020 21:50:00	26.4	121.0	26.6
03/10/2020 22:00:00	26.4	121.0	26.6
03/10/2020 22:10:00	26.5	121.0	26.7
03/10/2020 22:20:00	26.5	121.0	26.7
03/10/2020 22:30:00	26.5	121.0	26.8
03/10/2020 22:40:00	26.6	121.0	26.8
03/10/2020 22:50:00	26.6	121.0	26.8
03/10/2020 23:00:00	26.6	121.0	26.9
03/10/2020 23:10:00	26.7	121.0	26.9
03/10/2020 23:20:00	26.7	121.0	26.9
03/10/2020 23:30:00	26.7	121.0	26.9
03/10/2020 23:40:00	26.8	121.0	26.9
03/10/2020 23:50:00	26.8	121.0	27.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:20		Page 832 of 905



**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
01/10/2020 00:00:00	16.2	121.0	15.4
01/10/2020 00:10:00	16.2	121.0	15.4
01/10/2020 00:20:00	16.2	121.0	15.4
01/10/2020 00:30:00	16.2	121.0	15.4
01/10/2020 00:40:00	16.2	121.0	15.4
01/10/2020 00:50:00	16.2	121.0	15.4
01/10/2020 01:00:00	16.2	121.0	15.3
01/10/2020 01:10:00	16.1	121.0	15.3
01/10/2020 01:20:00	16.1	121.0	15.3
01/10/2020 01:30:00	16.1	121.0	15.3
01/10/2020 01:40:00	16.1	121.0	15.3
01/10/2020 01:50:00	16.1	121.0	15.3
01/10/2020 02:00:00	16.0	121.0	15.2
01/10/2020 02:10:00	16.0	121.0	15.2
01/10/2020 02:20:00	16.0	121.0	15.2
01/10/2020 02:30:00	16.0	121.0	15.2
01/10/2020 02:40:00	15.9	121.0	15.2
01/10/2020 02:50:00	15.9	121.0	15.1

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 833 of 905

**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
01/10/2020 03:00:00	15.9	121.0	15.1
01/10/2020 03:10:00	15.9	121.0	15.1
01/10/2020 03:20:00	15.9	121.0	15.1
01/10/2020 03:30:00	15.8	121.0	15.1
01/10/2020 03:40:00	15.8	121.0	15.1
01/10/2020 03:50:00	15.8	121.0	15.1
01/10/2020 04:00:00	15.8	121.0	15.0
01/10/2020 04:10:00	15.8	121.0	15.0
01/10/2020 04:20:00	15.8	121.0	15.0
01/10/2020 04:30:00	15.7	121.0	15.0
01/10/2020 04:40:00	15.7	121.0	15.0
01/10/2020 04:50:00	15.7	121.0	15.0
01/10/2020 05:00:00	15.7	121.0	15.0
01/10/2020 05:10:00	15.7	121.0	15.0
01/10/2020 05:20:00	15.7	121.0	14.9
01/10/2020 05:30:00	15.7	121.0	14.9
01/10/2020 05:40:00	15.6	121.0	14.9
01/10/2020 05:50:00	15.6	121.0	14.9

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 834 of 905

**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
01/10/2020 06:00:00	15.6	121.0	14.9
01/10/2020 06:10:00	15.6	121.0	14.9
01/10/2020 06:20:00	15.6	121.0	14.9
01/10/2020 06:30:00	15.6	121.0	14.9
01/10/2020 06:40:00	15.6	121.0	14.8
01/10/2020 06:50:00	15.6	121.0	14.8
01/10/2020 07:00:00	15.5	121.0	14.8
01/10/2020 07:10:00	15.5	121.0	14.8
01/10/2020 07:20:00	15.5	121.0	14.8
01/10/2020 07:30:00	15.5	121.0	14.8
01/10/2020 07:40:00	15.5	121.0	14.8
01/10/2020 07:50:00	15.5	121.0	14.8
01/10/2020 08:00:00	15.5	121.0	14.8
01/10/2020 08:10:00	15.5	121.0	14.8
01/10/2020 08:20:00	15.5	121.0	14.8
01/10/2020 08:30:00	15.5	121.0	14.8
01/10/2020 08:40:00	15.5	121.0	14.8
01/10/2020 08:50:00	15.5	121.0	14.8

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 835 of 905

**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
01/10/2020 09:00:00	15.5	121.0	14.8
01/10/2020 09:10:00	15.5	121.0	14.7
01/10/2020 09:20:00	15.4	121.0	14.7
01/10/2020 09:30:00	15.4	121.0	14.7
01/10/2020 09:40:00	15.5	121.0	14.7
01/10/2020 09:50:00	15.5	121.0	14.7
01/10/2020 10:00:00	15.5	121.0	14.7
01/10/2020 10:10:00	15.5	121.0	14.7
01/10/2020 10:20:00	15.6	121.0	15.0
01/10/2020 10:30:00	16.3	121.0	15.8
01/10/2020 10:40:00	17.1	121.0	16.6
01/10/2020 10:50:00	18.0	121.0	17.5
01/10/2020 11:00:00	18.4	121.0	18.0
01/10/2020 11:10:00	125.2	121.0	125.4
01/10/2020 11:20:00	45.5	121.0	41.3
01/10/2020 11:30:00	30.2	121.0	30.7
01/10/2020 11:40:00	26.0	121.0	26.4
01/10/2020 11:50:00	24.8	121.0	24.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)</b>			
<b>DATE &amp; TIME</b>	<b>SPARGER LINE DRAIN TEMP TICR-0214/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV</b>	<b>SPARGER LINE DRAIN TEMP TICR-0215/PV.CV</b>
01/10/2020 12:00:00	23.8	121.0	23.0
01/10/2020 12:10:00	23.0	121.0	22.3
01/10/2020 12:20:00	23.7	121.0	22.3
01/10/2020 12:30:00	24.5	121.0	22.7
01/10/2020 12:40:00	24.1	121.0	22.7
01/10/2020 12:50:00	23.0	121.0	22.4
01/10/2020 13:00:00	22.3	121.0	22.0
01/10/2020 13:10:00	21.8	121.0	21.7
01/10/2020 13:20:00	21.3	121.0	21.4
01/10/2020 13:30:00	21.1	121.0	21.1
01/10/2020 13:40:00	20.8	121.0	20.8
01/10/2020 13:50:00	20.6	121.0	20.5
01/10/2020 14:00:00	20.5	121.0	20.3
01/10/2020 14:10:00	20.3	121.0	20.1
01/10/2020 14:20:00	21.0	121.0	20.0
01/10/2020 14:30:00	100.5	121.0	20.2
01/10/2020 14:40:00	108.2	121.0	20.5
01/10/2020 14:50:00	112.0	121.0	20.7

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
01/10/2020 15:00:00	113.6	121.0	21.0
01/10/2020 15:10:00	54.3	121.0	21.6
01/10/2020 15:20:00	35.5	121.0	22.2
01/10/2020 15:30:00	108.5	121.0	22.1
01/10/2020 15:40:00	51.8	121.0	22.2
01/10/2020 15:50:00	66.5	121.0	22.2
01/10/2020 16:00:00	33.9	121.0	22.3
01/10/2020 16:10:00	27.2	121.0	22.2
01/10/2020 16:20:00	26.1	121.0	22.8
01/10/2020 16:30:00	25.8	121.0	23.3
01/10/2020 16:40:00	25.4	121.0	24.0
01/10/2020 16:50:00	25.3	121.0	24.5
01/10/2020 17:00:00	25.2	121.0	24.8
01/10/2020 17:10:00	25.2	121.0	25.1
01/10/2020 17:20:00	25.3	121.0	25.4
01/10/2020 17:30:00	25.4	121.0	25.6
01/10/2020 17:40:00	25.5	121.0	25.8
01/10/2020 17:50:00	25.7	121.0	25.9

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
01/10/2020 18:00:00	25.8	121.0	26.1
01/10/2020 18:10:00	25.9	121.0	26.2
01/10/2020 18:20:00	26.1	121.0	26.4
01/10/2020 18:30:00	26.3	121.0	26.5
01/10/2020 18:40:00	26.4	121.0	26.6
01/10/2020 18:50:00	26.5	121.0	26.7
01/10/2020 19:00:00	26.6	121.0	26.8
01/10/2020 19:10:00	26.7	121.0	26.8
01/10/2020 19:20:00	26.7	121.0	26.9
01/10/2020 19:30:00	26.8	121.0	26.9
01/10/2020 19:40:00	26.9	121.0	27.0
01/10/2020 19:50:00	26.9	121.0	27.1
01/10/2020 20:00:00	27.0	121.0	27.1
01/10/2020 20:10:00	27.0	121.0	27.2
01/10/2020 20:20:00	27.1	121.0	27.2
01/10/2020 20:30:00	27.1	121.0	27.2
01/10/2020 20:40:00	27.2	121.0	27.3
01/10/2020 20:50:00	27.2	121.0	27.3

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
01/10/2020 21:00:00	27.2	121.0	27.4
01/10/2020 21:10:00	27.3	121.0	27.4
01/10/2020 21:20:00	27.3	121.0	27.4
01/10/2020 21:30:00	27.3	121.0	27.5
01/10/2020 21:40:00	27.4	121.0	27.5
01/10/2020 21:50:00	27.4	121.0	27.6
01/10/2020 22:00:00	27.4	121.0	27.6
01/10/2020 22:10:00	27.5	121.0	27.6
01/10/2020 22:20:00	27.5	121.0	27.7
01/10/2020 22:30:00	27.5	121.0	27.7
01/10/2020 22:40:00	27.5	121.0	27.7
01/10/2020 22:50:00	27.6	121.0	27.7
01/10/2020 23:00:00	27.6	121.0	27.8
01/10/2020 23:10:00	27.6	121.0	27.8
01/10/2020 23:20:00	27.6	121.0	27.8
01/10/2020 23:30:00	27.7	121.0	27.8
01/10/2020 23:40:00	27.7	121.0	27.9
01/10/2020 23:50:00	27.7	121.0	27.9

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
02/10/2020 00:00:00	27.8	121.0	27.9
02/10/2020 00:10:00	27.8	121.0	27.9
02/10/2020 00:20:00	27.8	121.0	28.0
02/10/2020 00:30:00	27.8	121.0	28.0
02/10/2020 00:40:00	27.8	121.0	28.0
02/10/2020 00:50:00	27.9	121.0	28.0
02/10/2020 01:00:00	27.9	121.0	28.0
02/10/2020 01:10:00	27.9	121.0	28.0
02/10/2020 01:20:00	27.9	121.0	28.0
02/10/2020 01:30:00	27.9	121.0	28.1
02/10/2020 01:40:00	27.9	121.0	28.1
02/10/2020 01:50:00	27.9	121.0	28.1
02/10/2020 02:00:00	27.9	121.0	28.1
02/10/2020 02:10:00	28.0	121.0	28.1
02/10/2020 02:20:00	28.0	121.0	28.1
02/10/2020 02:30:00	28.0	121.0	28.1
02/10/2020 02:40:00	28.0	121.0	28.1
02/10/2020 02:50:00	28.0	121.0	28.2

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 841 of 905

<b>INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)</b>			
<b>DATE &amp; TIME</b>	<b>SPARGER LINE DRAIN TEMP TICR-0214/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV</b>	<b>SPARGER LINE DRAIN TEMP TICR-0215/PV.CV</b>
02/10/2020 03:00:00	28.0	121.0	28.2
02/10/2020 03:10:00	28.0	121.0	28.2
02/10/2020 03:20:00	28.0	121.0	28.2
02/10/2020 03:30:00	28.0	121.0	28.2
02/10/2020 03:40:00	28.0	121.0	28.2
02/10/2020 03:50:00	28.1	121.0	28.2
02/10/2020 04:00:00	28.1	121.0	28.2
02/10/2020 04:10:00	28.1	121.0	28.2
02/10/2020 04:20:00	28.1	121.0	28.2
02/10/2020 04:30:00	28.1	121.0	28.2
02/10/2020 04:40:00	28.1	121.0	28.2
02/10/2020 04:50:00	28.1	121.0	28.2
02/10/2020 05:00:00	28.1	121.0	28.2
02/10/2020 05:10:00	28.1	121.0	28.2
02/10/2020 05:20:00	28.1	121.0	28.2
02/10/2020 05:30:00	28.1	121.0	28.3
02/10/2020 05:40:00	28.1	121.0	28.3
02/10/2020 05:50:00	28.1	121.0	28.3

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 842 of 905

<b>INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)</b>			
<b>DATE &amp; TIME</b>	<b>SPARGER LINE DRAIN TEMP TICR-0214/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV</b>	<b>SPARGER LINE DRAIN TEMP TICR-0215/PV.CV</b>
02/10/2020 06:00:00	28.1	121.0	28.2
02/10/2020 06:10:00	28.1	121.0	28.3
02/10/2020 06:20:00	28.1	121.0	28.3
02/10/2020 06:30:00	28.1	121.0	28.3
02/10/2020 06:40:00	28.1	121.0	28.3
02/10/2020 06:50:00	28.1	121.0	28.3
02/10/2020 07:00:00	28.1	121.0	28.3
02/10/2020 07:10:00	28.1	121.0	28.3
02/10/2020 07:20:00	28.1	121.0	28.3
02/10/2020 07:30:00	28.0	121.0	28.2
02/10/2020 07:40:00	28.0	121.0	28.2
02/10/2020 07:50:00	28.0	121.0	28.2
02/10/2020 08:00:00	27.9	121.0	28.1
02/10/2020 08:10:00	27.9	121.0	28.1
02/10/2020 08:20:00	27.8	121.0	28.0
02/10/2020 08:30:00	27.8	121.0	28.0
02/10/2020 08:40:00	27.7	121.0	28.0
02/10/2020 08:50:00	27.7	121.0	27.9

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 843 of 905

<b>INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)</b>			
<b>DATE &amp; TIME</b>	<b>SPARGER LINE DRAIN TEMP TICR-0214/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV</b>	<b>SPARGER LINE DRAIN TEMP TICR-0215/PV.CV</b>
02/10/2020 09:00:00	27.6	121.0	27.9
02/10/2020 09:10:00	27.6	121.0	27.8
02/10/2020 09:20:00	27.6	121.0	27.8
02/10/2020 09:30:00	27.5	121.0	27.8
02/10/2020 09:40:00	27.5	121.0	27.7
02/10/2020 09:50:00	27.5	121.0	27.7
02/10/2020 10:00:00	27.5	121.0	27.7
02/10/2020 10:10:00	27.5	121.0	27.7
02/10/2020 10:20:00	27.5	121.0	27.7
02/10/2020 10:30:00	27.4	121.0	27.7
02/10/2020 10:40:00	27.4	121.0	27.6
02/10/2020 10:50:00	27.4	121.0	27.6
02/10/2020 11:00:00	27.4	121.0	27.6
02/10/2020 11:10:00	27.4	121.0	27.6
02/10/2020 11:20:00	27.4	121.0	27.6
02/10/2020 11:30:00	27.4	121.0	27.6
02/10/2020 11:40:00	27.4	121.0	27.6
02/10/2020 11:50:00	27.4	121.0	27.7

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 844 of 905

**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
02/10/2020 12:00:00	27.5	121.0	27.7
02/10/2020 12:10:00	27.5	121.0	27.7
02/10/2020 12:20:00	27.5	121.0	27.7
02/10/2020 12:30:00	27.5	121.0	27.7
02/10/2020 12:40:00	27.5	121.0	27.7
02/10/2020 12:50:00	27.5	121.0	27.7
02/10/2020 13:00:00	27.5	121.0	27.7
02/10/2020 13:10:00	27.5	121.0	27.7
02/10/2020 13:20:00	27.5	121.0	27.7
02/10/2020 13:30:00	27.5	121.0	27.7
02/10/2020 13:40:00	27.6	121.0	27.7
02/10/2020 13:50:00	27.6	121.0	27.7
02/10/2020 14:00:00	27.6	121.0	27.7
02/10/2020 14:10:00	27.6	121.0	27.8
02/10/2020 14:20:00	27.6	121.0	27.8
02/10/2020 14:30:00	27.6	121.0	27.8
02/10/2020 14:40:00	27.6	121.0	27.8
02/10/2020 14:50:00	27.6	121.0	27.8

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 845 of 905

**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
02/10/2020 15:00:00	27.6	121.0	27.8
02/10/2020 15:10:00	27.6	121.0	27.8
02/10/2020 15:20:00	27.7	121.0	27.8
02/10/2020 15:30:00	27.7	121.0	27.8
02/10/2020 15:40:00	27.7	121.0	27.8
02/10/2020 15:50:00	27.7	121.0	27.8
02/10/2020 16:00:00	27.7	121.0	27.9
02/10/2020 16:10:00	27.7	121.0	27.9
02/10/2020 16:20:00	27.7	121.0	27.9
02/10/2020 16:30:00	27.7	121.0	27.9
02/10/2020 16:40:00	27.7	121.0	27.9
02/10/2020 16:50:00	27.7	121.0	27.9
02/10/2020 17:00:00	27.7	121.0	27.9
02/10/2020 17:10:00	27.8	121.0	27.9
02/10/2020 17:20:00	27.8	121.0	27.9
02/10/2020 17:30:00	27.8	121.0	27.9
02/10/2020 17:40:00	27.8	121.0	27.9
02/10/2020 17:50:00	27.8	121.0	28.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 846 of 905

**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
02/10/2020 18:00:00	27.8	121.0	28.0
02/10/2020 18:10:00	27.8	121.0	28.0
02/10/2020 18:20:00	27.8	121.0	28.0
02/10/2020 18:30:00	27.8	121.0	28.0
02/10/2020 18:40:00	27.8	121.0	28.0
02/10/2020 18:50:00	27.8	121.0	28.0
02/10/2020 19:00:00	27.8	121.0	28.0
02/10/2020 19:10:00	27.8	121.0	28.0
02/10/2020 19:20:00	27.8	121.0	28.0
02/10/2020 19:30:00	27.9	121.0	28.0
02/10/2020 19:40:00	27.9	121.0	28.0
02/10/2020 19:50:00	27.9	121.0	28.0
02/10/2020 20:00:00	27.9	121.0	28.0
02/10/2020 20:10:00	27.9	121.0	28.1
02/10/2020 20:20:00	27.9	121.0	28.1
02/10/2020 20:30:00	27.9	121.0	28.1
02/10/2020 20:40:00	27.9	121.0	28.1
02/10/2020 20:50:00	27.9	121.0	28.1

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 847 of 905

**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
02/10/2020 21:00:00	27.9	121.0	28.1
02/10/2020 21:10:00	27.9	121.0	28.1
02/10/2020 21:20:00	27.9	121.0	28.1
02/10/2020 21:30:00	27.9	121.0	28.1
02/10/2020 21:40:00	27.9	121.0	28.1
02/10/2020 21:50:00	27.9	121.0	28.1
02/10/2020 22:00:00	27.9	121.0	28.1
02/10/2020 22:10:00	27.9	121.0	28.1
02/10/2020 22:20:00	27.9	121.0	28.1
02/10/2020 22:30:00	27.9	121.0	28.1
02/10/2020 22:40:00	27.9	121.0	28.1
02/10/2020 22:50:00	27.9	121.0	28.1
02/10/2020 23:00:00	27.9	121.0	28.1
02/10/2020 23:10:00	27.9	121.0	28.1
02/10/2020 23:20:00	27.9	121.0	28.1
02/10/2020 23:30:00	27.9	121.0	28.1
02/10/2020 23:40:00	27.9	121.0	28.0
02/10/2020 23:50:00	27.9	121.0	28.1

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 848 of 905



**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
03/10/2020 00:00:00	27.9	121.0	28.0
03/10/2020 00:10:00	27.9	121.0	28.0
03/10/2020 00:20:00	27.9	121.0	28.0
03/10/2020 00:30:00	27.9	121.0	28.0
03/10/2020 00:40:00	27.8	121.0	28.0
03/10/2020 00:50:00	27.8	121.0	28.0
03/10/2020 01:00:00	27.8	121.0	28.0
03/10/2020 01:10:00	27.8	121.0	28.0
03/10/2020 01:20:00	27.8	121.0	28.0
03/10/2020 01:30:00	27.8	121.0	28.0
03/10/2020 01:40:00	27.8	121.0	28.0
03/10/2020 01:50:00	27.8	121.0	28.0
03/10/2020 02:00:00	27.8	121.0	28.0
03/10/2020 02:10:00	27.8	121.0	28.0
03/10/2020 02:20:00	27.8	121.0	28.0
03/10/2020 02:30:00	27.8	121.0	28.0
03/10/2020 02:40:00	27.8	121.0	28.0
03/10/2020 02:50:00	27.7	121.0	28.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 849 of 905

**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
03/10/2020 03:00:00	27.7	121.0	27.9
03/10/2020 03:10:00	27.7	121.0	27.9
03/10/2020 03:20:00	27.7	121.0	27.9
03/10/2020 03:30:00	27.7	121.0	27.9
03/10/2020 03:40:00	27.7	121.0	27.9
03/10/2020 03:50:00	27.7	121.0	27.9
03/10/2020 04:00:00	27.7	121.0	27.9
03/10/2020 04:10:00	27.7	121.0	27.9
03/10/2020 04:20:00	27.7	121.0	27.9
03/10/2020 04:30:00	27.7	121.0	27.9
03/10/2020 04:40:00	27.7	121.0	27.9
03/10/2020 04:50:00	27.7	121.0	27.9
03/10/2020 05:00:00	27.7	121.0	27.9
03/10/2020 05:10:00	27.6	121.0	27.9
03/10/2020 05:20:00	27.6	121.0	27.9
03/10/2020 05:30:00	27.6	121.0	27.9
03/10/2020 05:40:00	27.6	121.0	27.9
03/10/2020 05:50:00	27.6	121.0	27.8

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 850 of 905

**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
03/10/2020 06:00:00	27.6	121.0	27.8
03/10/2020 06:10:00	27.6	121.0	27.8
03/10/2020 06:20:00	27.6	121.0	27.8
03/10/2020 06:30:00	27.6	121.0	27.8
03/10/2020 06:40:00	27.6	121.0	27.8
03/10/2020 06:50:00	27.5	121.0	27.8
03/10/2020 07:00:00	27.5	121.0	27.8
03/10/2020 07:10:00	27.5	121.0	27.8
03/10/2020 07:20:00	27.5	121.0	27.7
03/10/2020 07:30:00	27.5	121.0	27.7
03/10/2020 07:40:00	27.5	121.0	27.7
03/10/2020 07:50:00	27.5	121.0	27.7
03/10/2020 08:00:00	27.4	121.0	27.7
03/10/2020 08:10:00	27.4	121.0	27.7
03/10/2020 08:20:00	27.4	121.0	27.7
03/10/2020 08:30:00	27.4	121.0	27.7
03/10/2020 08:40:00	27.4	121.0	27.7
03/10/2020 08:50:00	27.4	121.0	27.7

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 851 of 905

**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
03/10/2020 09:00:00	27.4	121.0	27.7
03/10/2020 09:10:00	27.4	121.0	27.7
03/10/2020 09:20:00	27.5	121.0	27.7
03/10/2020 09:30:00	27.5	121.0	27.7
03/10/2020 09:40:00	27.5	121.0	27.7
03/10/2020 09:50:00	27.5	121.0	27.7
03/10/2020 10:00:00	27.5	121.0	27.8
03/10/2020 10:10:00	27.5	121.0	27.7
03/10/2020 10:20:00	27.5	121.0	27.7
03/10/2020 10:30:00	27.5	121.0	27.8
03/10/2020 10:40:00	27.5	121.0	27.8
03/10/2020 10:50:00	27.6	121.0	27.8
03/10/2020 11:00:00	27.1	121.0	27.1
03/10/2020 11:10:00	24.7	121.0	24.6
03/10/2020 11:20:00	22.9	121.0	22.7
03/10/2020 11:30:00	21.6	121.0	21.2
03/10/2020 11:40:00	20.7	121.0	20.1
03/10/2020 11:50:00	20.0	121.0	19.3

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 852 of 905

**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
03/10/2020 12:00:00	19.4	121.0	18.7
03/10/2020 12:10:00	19.0	121.0	18.2
03/10/2020 12:20:00	18.7	121.0	17.9
03/10/2020 12:30:00	18.4	121.0	17.6
03/10/2020 12:40:00	18.2	121.0	17.3
03/10/2020 12:50:00	18.1	121.0	17.1
03/10/2020 13:00:00	17.9	121.0	17.0
03/10/2020 13:10:00	17.8	121.0	16.9
03/10/2020 13:20:00	17.7	121.0	16.7
03/10/2020 13:30:00	17.6	121.0	16.6
03/10/2020 13:40:00	17.5	121.0	16.6
03/10/2020 13:50:00	17.6	121.0	16.7
03/10/2020 14:00:00	17.5	121.0	16.7
03/10/2020 14:10:00	17.6	121.0	16.7
03/10/2020 14:20:00	17.4	121.0	16.6
03/10/2020 14:30:00	17.5	121.0	16.7
03/10/2020 14:40:00	17.5	121.0	17.0
03/10/2020 14:50:00	17.6	121.0	17.1

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
03/10/2020 15:00:00	17.6	121.0	17.2
03/10/2020 15:10:00	17.6	121.0	17.1
03/10/2020 15:20:00	17.6	121.0	17.1
03/10/2020 15:30:00	17.5	121.0	17.2
03/10/2020 15:40:00	17.5	121.0	17.3
03/10/2020 15:50:00	18.1	121.0	17.8
03/10/2020 16:00:00	19.1	121.0	18.7
03/10/2020 16:10:00	19.9	121.0	19.5
03/10/2020 16:20:00	20.5	121.0	20.2
03/10/2020 16:30:00	21.0	121.0	20.7
03/10/2020 16:40:00	21.4	121.0	21.2
03/10/2020 16:50:00	21.8	121.0	21.6
03/10/2020 17:00:00	22.1	121.0	22.0
03/10/2020 17:10:00	22.4	121.0	22.3
03/10/2020 17:20:00	22.7	121.0	22.6
03/10/2020 17:30:00	23.0	121.0	22.9
03/10/2020 17:40:00	23.2	121.0	23.1
03/10/2020 17:50:00	23.4	121.0	23.4

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 854 of 905

<b>INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)</b>			
<b>DATE &amp; TIME</b>	<b>SPARGER LINE DRAIN TEMP TICR-0214/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV</b>	<b>SPARGER LINE DRAIN TEMP TICR-0215/PV.CV</b>
03/10/2020 18:00:00	23.6	121.0	23.6
03/10/2020 18:10:00	23.8	121.0	23.8
03/10/2020 18:20:00	24.0	121.0	23.9
03/10/2020 18:30:00	24.1	121.0	24.1
03/10/2020 18:40:00	24.3	121.0	24.3
03/10/2020 18:50:00	24.5	121.0	24.5
03/10/2020 19:00:00	24.6	121.0	24.7
03/10/2020 19:10:00	24.8	121.0	24.8
03/10/2020 19:20:00	24.9	121.0	24.9
03/10/2020 19:30:00	25.0	121.0	25.1
03/10/2020 19:40:00	25.1	121.0	25.2
03/10/2020 19:50:00	25.2	121.0	25.3
03/10/2020 20:00:00	25.3	121.0	25.4
03/10/2020 20:10:00	25.4	121.0	25.5
03/10/2020 20:20:00	25.4	121.0	25.6
03/10/2020 20:30:00	25.5	121.0	25.7
03/10/2020 20:40:00	25.6	121.0	25.7
03/10/2020 20:50:00	25.7	121.0	25.8

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 855 of 905

**INDEPENDENT SPARGER FILTER STERILIZATION (ISFS)**

DATE & TIME	SPARGER LINE DRAIN TEMP TICR-0214/PV.CV	STERILIZATION TEMPERATURE SP (ISFS-ST01) 200-RPT/TICR-214_SP_ISFS.CV	SPARGER LINE DRAIN TEMP TICR-0215/PV.CV
03/10/2020 21:00:00	25.7	121.0	25.9
03/10/2020 21:10:00	25.8	121.0	26.0
03/10/2020 21:20:00	25.9	121.0	26.0
03/10/2020 21:30:00	25.9	121.0	26.1
03/10/2020 21:40:00	26.0	121.0	26.2
03/10/2020 21:50:00	26.0	121.0	26.2
03/10/2020 22:00:00	26.1	121.0	26.3
03/10/2020 22:10:00	26.1	121.0	26.3
03/10/2020 22:20:00	26.1	121.0	26.4
03/10/2020 22:30:00	26.2	121.0	26.4
03/10/2020 22:40:00	26.2	121.0	26.5
03/10/2020 22:50:00	26.3	121.0	26.5
03/10/2020 23:00:00	26.3	121.0	26.6
03/10/2020 23:10:00	26.4	121.0	26.6
03/10/2020 23:20:00	26.4	121.0	26.6
03/10/2020 23:30:00	26.4	121.0	26.7
03/10/2020 23:40:00	26.5	121.0	26.7
03/10/2020 23:50:00	26.5	121.0	26.7

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:21		Page 856 of 905



**INDEPENDENT HARVEST LINE STERILIZATION (IHLS)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	HARVEST LINE DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV
01/10/2020 00:00:00	27.7	14.0	121.0
01/10/2020 00:10:00	27.6	13.9	121.0
01/10/2020 00:20:00	27.5	13.9	121.0
01/10/2020 00:30:00	27.3	13.9	121.0
01/10/2020 00:40:00	27.2	13.9	121.0
01/10/2020 00:50:00	27.1	13.9	121.0
01/10/2020 01:00:00	27.0	13.9	121.0
01/10/2020 01:10:00	26.9	13.9	121.0
01/10/2020 01:20:00	26.8	13.9	121.0
01/10/2020 01:30:00	26.7	13.9	121.0
01/10/2020 01:40:00	26.6	13.8	121.0
01/10/2020 01:50:00	26.5	13.8	121.0
01/10/2020 02:00:00	26.4	13.8	121.0
01/10/2020 02:10:00	26.3	13.8	121.0
01/10/2020 02:20:00	26.2	13.8	121.0
01/10/2020 02:30:00	26.1	13.8	121.0
01/10/2020 02:40:00	26.0	13.8	121.0
01/10/2020 02:50:00	25.9	13.7	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:23		Page 857 of 905

<b>INDEPENDENT HARVEST LINE STERILIZATION (IHLS)</b>			
<b>DATE &amp; TIME</b>	<b>VESSEL TEMP TICR-0201/PV.CV</b>	<b>HARVEST LINE DRAIN TEMP TICR-0202/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV</b>
01/10/2020 03:00:00	25.8	13.7	121.0
01/10/2020 03:10:00	25.7	13.7	121.0
01/10/2020 03:20:00	25.6	13.7	121.0
01/10/2020 03:30:00	25.5	13.7	121.0
01/10/2020 03:40:00	25.4	13.7	121.0
01/10/2020 03:50:00	25.3	13.7	121.0
01/10/2020 04:00:00	25.2	13.6	121.0
01/10/2020 04:10:00	25.2	13.6	121.0
01/10/2020 04:20:00	25.1	13.6	121.0
01/10/2020 04:30:00	25.0	13.6	121.0
01/10/2020 04:40:00	24.9	13.6	121.0
01/10/2020 04:50:00	24.8	13.6	121.0
01/10/2020 05:00:00	24.7	13.6	121.0
01/10/2020 05:10:00	24.6	13.6	121.0
01/10/2020 05:20:00	24.5	13.6	121.0
01/10/2020 05:30:00	24.5	13.6	121.0
01/10/2020 05:40:00	24.4	13.5	121.0
01/10/2020 05:50:00	24.3	13.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:23		Page 858 of 905

**INDEPENDENT HARVEST LINE STERILIZATION (IHLS)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	HARVEST LINE DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV
01/10/2020 06:00:00	24.2	13.5	121.0
01/10/2020 06:10:00	24.2	13.5	121.0
01/10/2020 06:20:00	24.1	13.5	121.0
01/10/2020 06:30:00	24.0	13.5	121.0
01/10/2020 06:40:00	23.9	13.5	121.0
01/10/2020 06:50:00	23.9	13.5	121.0
01/10/2020 07:00:00	23.8	13.5	121.0
01/10/2020 07:10:00	23.7	13.5	121.0
01/10/2020 07:20:00	23.6	13.5	121.0
01/10/2020 07:30:00	23.5	13.5	121.0
01/10/2020 07:40:00	23.5	13.5	121.0
01/10/2020 07:50:00	23.4	13.5	121.0
01/10/2020 08:00:00	23.3	13.5	121.0
01/10/2020 08:10:00	23.3	13.5	121.0
01/10/2020 08:20:00	23.2	13.4	121.0
01/10/2020 08:30:00	23.1	13.4	121.0
01/10/2020 08:40:00	23.1	13.4	121.0
01/10/2020 08:50:00	23.0	13.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:23		Page 859 of 905

**INDEPENDENT HARVEST LINE STERILIZATION (IHLS)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	HARVEST LINE DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV
01/10/2020 09:00:00	22.9	13.4	121.0
01/10/2020 09:10:00	22.9	13.4	121.0
01/10/2020 09:20:00	22.8	13.4	121.0
01/10/2020 09:30:00	22.7	13.4	121.0
01/10/2020 09:40:00	22.7	13.4	121.0
01/10/2020 09:50:00	22.6	13.4	121.0
01/10/2020 10:00:00	22.5	13.4	121.0
01/10/2020 10:10:00	22.5	13.4	121.0
01/10/2020 10:20:00	22.5	13.5	121.0
01/10/2020 10:30:00	22.5	13.8	121.0
01/10/2020 10:40:00	22.5	14.2	121.0
01/10/2020 10:50:00	22.5	14.6	121.0
01/10/2020 11:00:00	26.2	19.0	121.0
01/10/2020 11:10:00	26.2	18.3	121.0
01/10/2020 11:20:00	47.7	18.4	121.0
01/10/2020 11:30:00	85.8	19.1	121.0
01/10/2020 11:40:00	99.7	19.6	121.0
01/10/2020 11:50:00	101.9	19.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:23		Page 860 of 905

**INDEPENDENT HARVEST LINE STERILIZATION (IHLS)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	HARVEST LINE DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV
01/10/2020 12:00:00	100.1	19.3	121.0
01/10/2020 12:10:00	98.6	19.0	121.0
01/10/2020 12:20:00	105.1	128.4	121.0
01/10/2020 12:30:00	105.3	128.8	121.0
01/10/2020 12:40:00	79.3	78.5	121.0
01/10/2020 12:50:00	58.1	52.0	121.0
01/10/2020 13:00:00	46.3	36.1	121.0
01/10/2020 13:10:00	43.1	27.9	121.0
01/10/2020 13:20:00	41.9	23.5	121.0
01/10/2020 13:30:00	41.3	21.0	121.0
01/10/2020 13:40:00	40.9	19.5	121.0
01/10/2020 13:50:00	40.6	18.9	121.0
01/10/2020 14:00:00	40.3	18.4	121.0
01/10/2020 14:10:00	48.3	18.2	121.0
01/10/2020 14:20:00	85.8	19.2	121.0
01/10/2020 14:30:00	100.3	19.9	121.0
01/10/2020 14:40:00	108.1	19.9	121.0
01/10/2020 14:50:00	112.0	19.8	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**INDEPENDENT HARVEST LINE STERILIZATION (IHLS)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	HARVEST LINE DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV
01/10/2020 15:00:00	113.7	19.9	121.0
01/10/2020 15:10:00	113.7	118.9	121.0
01/10/2020 15:20:00	111.8	69.1	121.0
01/10/2020 15:30:00	108.8	49.0	121.0
01/10/2020 15:40:00	107.5	36.7	121.0
01/10/2020 15:50:00	105.6	90.3	121.0
01/10/2020 16:00:00	71.6	54.2	121.0
01/10/2020 16:10:00	65.5	36.1	121.0
01/10/2020 16:20:00	63.5	34.2	121.0
01/10/2020 16:30:00	57.2	31.9	121.0
01/10/2020 16:40:00	50.9	31.3	121.0
01/10/2020 16:50:00	49.3	30.1	121.0
01/10/2020 17:00:00	48.5	28.9	121.0
01/10/2020 17:10:00	48.0	28.0	121.0
01/10/2020 17:20:00	47.7	27.4	121.0
01/10/2020 17:30:00	47.4	26.9	121.0
01/10/2020 17:40:00	47.2	26.5	121.0
01/10/2020 17:50:00	46.9	26.2	121.0

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**INDEPENDENT HARVEST LINE STERILIZATION (IHLS)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	HARVEST LINE DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV
01/10/2020 18:00:00	46.6	26.0	121.0
01/10/2020 18:10:00	46.4	25.8	121.0
01/10/2020 18:20:00	46.2	25.6	121.0
01/10/2020 18:30:00	45.9	25.4	121.0
01/10/2020 18:40:00	45.7	25.3	121.0
01/10/2020 18:50:00	45.5	25.2	121.0
01/10/2020 19:00:00	45.3	25.1	121.0
01/10/2020 19:10:00	45.0	25.0	121.0
01/10/2020 19:20:00	44.8	25.0	121.0
01/10/2020 19:30:00	44.6	24.9	121.0
01/10/2020 19:40:00	44.4	24.9	121.0
01/10/2020 19:50:00	44.2	24.9	121.0
01/10/2020 20:00:00	44.0	24.9	121.0
01/10/2020 20:10:00	43.8	24.8	121.0
01/10/2020 20:20:00	43.6	24.8	121.0
01/10/2020 20:30:00	43.4	24.8	121.0
01/10/2020 20:40:00	43.2	24.9	121.0
01/10/2020 20:50:00	43.1	24.9	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**INDEPENDENT HARVEST LINE STERILIZATION (IHLS)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	HARVEST LINE DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV
01/10/2020 21:00:00	42.9	24.9	121.0
01/10/2020 21:10:00	42.7	24.9	121.0
01/10/2020 21:20:00	42.5	24.9	121.0
01/10/2020 21:30:00	42.4	24.9	121.0
01/10/2020 21:40:00	42.2	24.9	121.0
01/10/2020 21:50:00	42.1	25.0	121.0
01/10/2020 22:00:00	41.9	25.0	121.0
01/10/2020 22:10:00	41.8	25.0	121.0
01/10/2020 22:20:00	41.6	25.0	121.0
01/10/2020 22:30:00	41.5	25.0	121.0
01/10/2020 22:40:00	41.4	25.1	121.0
01/10/2020 22:50:00	41.2	25.1	121.0
01/10/2020 23:00:00	41.1	25.1	121.0
01/10/2020 23:10:00	41.0	25.1	121.0
01/10/2020 23:20:00	40.8	25.2	121.0
01/10/2020 23:30:00	40.7	25.2	121.0
01/10/2020 23:40:00	40.6	25.2	121.0
01/10/2020 23:50:00	40.4	25.2	121.0

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**INDEPENDENT HARVEST LINE STERILIZATION (IHLS)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	HARVEST LINE DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV
02/10/2020 00:00:00	40.3	25.2	121.0
02/10/2020 00:10:00	40.2	25.3	121.0
02/10/2020 00:20:00	40.1	25.3	121.0
02/10/2020 00:30:00	40.0	25.3	121.0
02/10/2020 00:40:00	39.9	25.3	121.0
02/10/2020 00:50:00	39.8	25.4	121.0
02/10/2020 01:00:00	39.7	25.4	121.0
02/10/2020 01:10:00	39.5	25.4	121.0
02/10/2020 01:20:00	39.4	25.4	121.0
02/10/2020 01:30:00	39.3	25.4	121.0
02/10/2020 01:40:00	39.2	25.5	121.0
02/10/2020 01:50:00	39.1	25.5	121.0
02/10/2020 02:00:00	39.0	25.5	121.0
02/10/2020 02:10:00	38.9	25.5	121.0
02/10/2020 02:20:00	38.8	25.5	121.0
02/10/2020 02:30:00	38.7	25.5	121.0
02/10/2020 02:40:00	38.6	25.6	121.0
02/10/2020 02:50:00	38.6	25.6	121.0

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**INDEPENDENT HARVEST LINE STERILIZATION (IHLS)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	HARVEST LINE DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV
02/10/2020 03:00:00	38.5	25.6	121.0
02/10/2020 03:10:00	38.4	25.6	121.0
02/10/2020 03:20:00	38.3	25.6	121.0
02/10/2020 03:30:00	38.2	25.6	121.0
02/10/2020 03:40:00	38.1	25.6	121.0
02/10/2020 03:50:00	38.0	25.7	121.0
02/10/2020 04:00:00	37.9	25.7	121.0
02/10/2020 04:10:00	37.8	25.7	121.0
02/10/2020 04:20:00	37.7	25.7	121.0
02/10/2020 04:30:00	37.7	25.7	121.0
02/10/2020 04:40:00	37.6	25.7	121.0
02/10/2020 04:50:00	37.5	25.7	121.0
02/10/2020 05:00:00	37.4	25.7	121.0
02/10/2020 05:10:00	37.4	25.7	121.0
02/10/2020 05:20:00	37.3	25.8	121.0
02/10/2020 05:30:00	37.2	25.8	121.0
02/10/2020 05:40:00	37.1	25.8	121.0
02/10/2020 05:50:00	37.0	25.8	121.0

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**INDEPENDENT HARVEST LINE STERILIZATION (IHLS)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	HARVEST LINE DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV
02/10/2020 06:00:00	37.0	25.8	121.0
02/10/2020 06:10:00	36.9	25.8	121.0
02/10/2020 06:20:00	36.8	25.8	121.0
02/10/2020 06:30:00	36.8	25.8	121.0
02/10/2020 06:40:00	36.7	25.8	121.0
02/10/2020 06:50:00	36.6	25.8	121.0
02/10/2020 07:00:00	36.5	25.8	121.0
02/10/2020 07:10:00	36.5	25.8	121.0
02/10/2020 07:20:00	36.4	25.8	121.0
02/10/2020 07:30:00	36.3	25.8	121.0
02/10/2020 07:40:00	36.3	25.8	121.0
02/10/2020 07:50:00	36.2	25.7	121.0
02/10/2020 08:00:00	36.1	25.7	121.0
02/10/2020 08:10:00	36.0	25.7	121.0
02/10/2020 08:20:00	36.0	25.6	121.0
02/10/2020 08:30:00	35.9	25.6	121.0
02/10/2020 08:40:00	35.8	25.6	121.0
02/10/2020 08:50:00	35.8	25.6	121.0

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<b>INDEPENDENT HARVEST LINE STERILIZATION (IHLS)</b>			
<b>DATE &amp; TIME</b>	<b>VESSEL TEMP TICR-0201/PV.CV</b>	<b>HARVEST LINE DRAIN TEMP TICR-0202/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV</b>
02/10/2020 09:00:00	35.7	25.6	121.0
02/10/2020 09:10:00	35.6	25.5	121.0
02/10/2020 09:20:00	35.6	25.5	121.0
02/10/2020 09:30:00	35.5	25.5	121.0
02/10/2020 09:40:00	35.5	25.5	121.0
02/10/2020 09:50:00	35.4	25.5	121.0
02/10/2020 10:00:00	35.3	25.5	121.0
02/10/2020 10:10:00	35.3	25.5	121.0
02/10/2020 10:20:00	35.2	25.5	121.0
02/10/2020 10:30:00	35.1	25.5	121.0
02/10/2020 10:40:00	35.1	25.5	121.0
02/10/2020 10:50:00	35.0	25.5	121.0
02/10/2020 11:00:00	35.0	25.5	121.0
02/10/2020 11:10:00	34.9	25.5	121.0
02/10/2020 11:20:00	34.8	25.5	121.0
02/10/2020 11:30:00	34.8	25.5	121.0
02/10/2020 11:40:00	34.7	25.5	121.0
02/10/2020 11:50:00	34.7	25.5	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>INDEPENDENT HARVEST LINE STERILIZATION (IHLS)</b>			
<b>DATE &amp; TIME</b>	<b>VESSEL TEMP TICR-0201/PV.CV</b>	<b>HARVEST LINE DRAIN TEMP TICR-0202/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV</b>
02/10/2020 12:00:00	34.6	25.5	121.0
02/10/2020 12:10:00	34.6	25.5	121.0
02/10/2020 12:20:00	34.5	25.5	121.0
02/10/2020 12:30:00	34.5	25.5	121.0
02/10/2020 12:40:00	34.4	25.5	121.0
02/10/2020 12:50:00	34.3	25.5	121.0
02/10/2020 13:00:00	34.3	25.5	121.0
02/10/2020 13:10:00	34.2	25.5	121.0
02/10/2020 13:20:00	34.2	25.5	121.0
02/10/2020 13:30:00	34.1	25.5	121.0
02/10/2020 13:40:00	34.1	25.5	121.0
02/10/2020 13:50:00	34.1	25.6	121.0
02/10/2020 14:00:00	34.0	25.6	121.0
02/10/2020 14:10:00	34.0	25.6	121.0
02/10/2020 14:20:00	33.9	25.6	121.0
02/10/2020 14:30:00	33.8	25.6	121.0
02/10/2020 14:40:00	33.8	25.6	121.0
02/10/2020 14:50:00	33.8	25.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:23		Page 869 of 905

<b>INDEPENDENT HARVEST LINE STERILIZATION (IHLS)</b>			
<b>DATE &amp; TIME</b>	<b>VESSEL TEMP TICR-0201/PV.CV</b>	<b>HARVEST LINE DRAIN TEMP TICR-0202/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV</b>
02/10/2020 15:00:00	33.7	25.6	121.0
02/10/2020 15:10:00	33.7	25.6	121.0
02/10/2020 15:20:00	33.6	25.6	121.0
02/10/2020 15:30:00	33.6	25.6	121.0
02/10/2020 15:40:00	33.5	25.6	121.0
02/10/2020 15:50:00	33.5	25.7	121.0
02/10/2020 16:00:00	33.5	25.7	121.0
02/10/2020 16:10:00	33.4	25.7	121.0
02/10/2020 16:20:00	33.4	25.7	121.0
02/10/2020 16:30:00	33.3	25.7	121.0
02/10/2020 16:40:00	33.3	25.7	121.0
02/10/2020 16:50:00	33.2	25.7	121.0
02/10/2020 17:00:00	33.2	25.7	121.0
02/10/2020 17:10:00	33.2	25.7	121.0
02/10/2020 17:20:00	33.1	25.8	121.0
02/10/2020 17:30:00	33.1	25.8	121.0
02/10/2020 17:40:00	33.0	26.1	121.0
02/10/2020 17:50:00	33.0	26.1	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:23		Page 870 of 905

<b>INDEPENDENT HARVEST LINE STERILIZATION (IHLS)</b>			
<b>DATE &amp; TIME</b>	<b>VESSEL TEMP TICR-0201/PV.CV</b>	<b>HARVEST LINE DRAIN TEMP TICR-0202/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV</b>
02/10/2020 18:00:00	33.0	26.1	121.0
02/10/2020 18:10:00	32.9	26.1	121.0
02/10/2020 18:20:00	32.9	26.1	121.0
02/10/2020 18:30:00	32.9	26.2	121.0
02/10/2020 18:40:00	32.8	26.2	121.0
02/10/2020 18:50:00	32.8	26.2	121.0
02/10/2020 19:00:00	32.7	26.2	121.0
02/10/2020 19:10:00	32.7	26.2	121.0
02/10/2020 19:20:00	32.7	26.2	121.0
02/10/2020 19:30:00	32.6	26.2	121.0
02/10/2020 19:40:00	32.6	26.2	121.0
02/10/2020 19:50:00	32.5	26.2	121.0
02/10/2020 20:00:00	32.5	26.2	121.0
02/10/2020 20:10:00	32.5	26.2	121.0
02/10/2020 20:20:00	32.4	26.2	121.0
02/10/2020 20:30:00	32.4	26.2	121.0
02/10/2020 20:40:00	32.4	26.2	121.0
02/10/2020 20:50:00	32.4	26.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>INDEPENDENT HARVEST LINE STERILIZATION (IHLS)</b>			
<b>DATE &amp; TIME</b>	<b>VESSEL TEMP TICR-0201/PV.CV</b>	<b>HARVEST LINE DRAIN TEMP TICR-0202/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV</b>
02/10/2020 21:00:00	32.3	26.3	121.0
02/10/2020 21:10:00	32.3	26.3	121.0
02/10/2020 21:20:00	32.3	26.3	121.0
02/10/2020 21:30:00	32.2	26.3	121.0
02/10/2020 21:40:00	32.2	26.3	121.0
02/10/2020 21:50:00	32.2	26.3	121.0
02/10/2020 22:00:00	32.1	26.3	121.0
02/10/2020 22:10:00	32.1	26.3	121.0
02/10/2020 22:20:00	32.1	26.3	121.0
02/10/2020 22:30:00	32.0	26.3	121.0
02/10/2020 22:40:00	32.0	26.3	121.0
02/10/2020 22:50:00	32.0	26.3	121.0
02/10/2020 23:00:00	32.0	26.3	121.0
02/10/2020 23:10:00	31.9	26.3	121.0
02/10/2020 23:20:00	31.9	26.3	121.0
02/10/2020 23:30:00	31.9	26.3	121.0
02/10/2020 23:40:00	31.8	26.3	121.0
02/10/2020 23:50:00	31.8	26.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>INDEPENDENT HARVEST LINE STERILIZATION (IHLS)</b>			
<b>DATE &amp; TIME</b>	<b>VESSEL TEMP TICR-0201/PV.CV</b>	<b>HARVEST LINE DRAIN TEMP TICR-0202/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV</b>
03/10/2020 00:00:00	31.8	26.3	121.0
03/10/2020 00:10:00	31.7	26.3	121.0
03/10/2020 00:20:00	31.7	26.4	121.0
03/10/2020 00:30:00	31.7	26.3	121.0
03/10/2020 00:40:00	31.7	26.3	121.0
03/10/2020 00:50:00	31.6	26.4	121.0
03/10/2020 01:00:00	31.6	26.4	121.0
03/10/2020 01:10:00	31.6	26.3	121.0
03/10/2020 01:20:00	31.5	26.4	121.0
03/10/2020 01:30:00	31.5	26.3	121.0
03/10/2020 01:40:00	31.5	26.4	121.0
03/10/2020 01:50:00	31.5	26.4	121.0
03/10/2020 02:00:00	31.4	26.3	121.0
03/10/2020 02:10:00	31.4	26.3	121.0
03/10/2020 02:20:00	31.4	26.3	121.0
03/10/2020 02:30:00	31.4	26.3	121.0
03/10/2020 02:40:00	31.3	26.3	121.0
03/10/2020 02:50:00	31.3	26.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:23		Page 873 of 905

**INDEPENDENT HARVEST LINE STERILIZATION (IHLS)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	HARVEST LINE DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV
03/10/2020 03:00:00	31.3	26.3	121.0
03/10/2020 03:10:00	31.3	26.3	121.0
03/10/2020 03:20:00	31.3	26.3	121.0
03/10/2020 03:30:00	31.2	26.3	121.0
03/10/2020 03:40:00	31.2	26.3	121.0
03/10/2020 03:50:00	31.2	26.3	121.0
03/10/2020 04:00:00	31.1	26.3	121.0
03/10/2020 04:10:00	31.1	26.3	121.0
03/10/2020 04:20:00	31.1	26.3	121.0
03/10/2020 04:30:00	31.1	26.3	121.0
03/10/2020 04:40:00	31.1	26.3	121.0
03/10/2020 04:50:00	31.0	26.3	121.0
03/10/2020 05:00:00	31.0	26.3	121.0
03/10/2020 05:10:00	31.0	26.3	121.0
03/10/2020 05:20:00	31.0	26.3	121.0
03/10/2020 05:30:00	30.9	26.3	121.0
03/10/2020 05:40:00	30.9	26.3	121.0
03/10/2020 05:50:00	30.9	26.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**INDEPENDENT HARVEST LINE STERILIZATION (IHLS)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	HARVEST LINE DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV
03/10/2020 06:00:00	30.9	26.3	121.0
03/10/2020 06:10:00	30.8	26.2	121.0
03/10/2020 06:20:00	30.8	26.2	121.0
03/10/2020 06:30:00	30.8	26.2	121.0
03/10/2020 06:40:00	30.8	26.2	121.0
03/10/2020 06:50:00	30.7	26.1	121.0
03/10/2020 07:00:00	30.7	26.1	121.0
03/10/2020 07:10:00	30.7	26.1	121.0
03/10/2020 07:20:00	30.7	26.1	121.0
03/10/2020 07:30:00	30.6	26.1	121.0
03/10/2020 07:40:00	30.6	26.1	121.0
03/10/2020 07:50:00	30.6	26.1	121.0
03/10/2020 08:00:00	30.6	26.1	121.0
03/10/2020 08:10:00	30.6	26.1	121.0
03/10/2020 08:20:00	30.5	26.1	121.0
03/10/2020 08:30:00	30.5	26.1	121.0
03/10/2020 08:40:00	30.5	26.1	121.0
03/10/2020 08:50:00	30.5	26.1	121.0

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<b>INDEPENDENT HARVEST LINE STERILIZATION (IHLS)</b>			
<b>DATE &amp; TIME</b>	<b>VESSEL TEMP TICR-0201/PV.CV</b>	<b>HARVEST LINE DRAIN TEMP TICR-0202/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV</b>
03/10/2020 09:00:00	30.5	26.2	121.0
03/10/2020 09:10:00	30.5	26.2	121.0
03/10/2020 09:20:00	30.4	26.2	121.0
03/10/2020 09:30:00	30.4	26.2	121.0
03/10/2020 09:40:00	30.4	26.2	121.0
03/10/2020 09:50:00	30.4	26.2	121.0
03/10/2020 10:00:00	30.4	26.2	121.0
03/10/2020 10:10:00	30.3	26.2	121.0
03/10/2020 10:20:00	30.3	26.2	121.0
03/10/2020 10:30:00	30.3	26.2	121.0
03/10/2020 10:40:00	30.3	26.2	121.0
03/10/2020 10:50:00	30.3	26.2	121.0
03/10/2020 11:00:00	30.2	25.3	121.0
03/10/2020 11:10:00	30.0	21.0	121.0
03/10/2020 11:20:00	29.9	18.4	121.0
03/10/2020 11:30:00	29.8	17.0	121.0
03/10/2020 11:40:00	29.7	16.2	121.0
03/10/2020 11:50:00	29.5	15.7	121.0

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**INDEPENDENT HARVEST LINE STERILIZATION (IHLS)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	HARVEST LINE DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV
03/10/2020 12:00:00	29.4	15.3	121.0
03/10/2020 12:10:00	29.3	15.1	121.0
03/10/2020 12:20:00	29.2	14.9	121.0
03/10/2020 12:30:00	29.0	14.7	121.0
03/10/2020 12:40:00	28.9	14.6	121.0
03/10/2020 12:50:00	28.8	14.5	121.0
03/10/2020 13:00:00	28.6	14.5	121.0
03/10/2020 13:10:00	28.5	14.4	121.0
03/10/2020 13:20:00	28.4	14.4	121.0
03/10/2020 13:30:00	28.3	14.3	121.0
03/10/2020 13:40:00	28.1	14.3	121.0
03/10/2020 13:50:00	28.0	14.6	121.0
03/10/2020 14:00:00	27.9	14.5	121.0
03/10/2020 14:10:00	27.8	14.6	121.0
03/10/2020 14:20:00	27.7	14.4	121.0
03/10/2020 14:30:00	27.6	14.5	121.0
03/10/2020 14:40:00	27.5	14.6	121.0
03/10/2020 14:50:00	27.4	14.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**INDEPENDENT HARVEST LINE STERILIZATION (IHLS)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	HARVEST LINE DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV
03/10/2020 15:00:00	27.2	14.6	121.0
03/10/2020 15:10:00	27.1	14.5	121.0
03/10/2020 15:20:00	27.0	14.5	121.0
03/10/2020 15:30:00	26.9	14.5	121.0
03/10/2020 15:40:00	26.8	14.5	121.0
03/10/2020 15:50:00	26.8	15.4	121.0
03/10/2020 16:00:00	26.8	16.6	121.0
03/10/2020 16:10:00	26.8	17.5	121.0
03/10/2020 16:20:00	26.8	18.3	121.0
03/10/2020 16:30:00	26.7	19.0	121.0
03/10/2020 16:40:00	26.7	19.7	121.0
03/10/2020 16:50:00	26.7	20.2	121.0
03/10/2020 17:00:00	26.7	20.7	121.0
03/10/2020 17:10:00	26.7	21.1	121.0
03/10/2020 17:20:00	26.7	21.4	121.0
03/10/2020 17:30:00	26.6	21.7	121.0
03/10/2020 17:40:00	26.6	21.9	121.0
03/10/2020 17:50:00	26.6	22.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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**INDEPENDENT HARVEST LINE STERILIZATION (IHLS)**

DATE & TIME	VESSEL TEMP TICR-0201/PV.CV	HARVEST LINE DRAIN TEMP TICR-0202/PV.CV	STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV
03/10/2020 18:00:00	26.6	22.4	121.0
03/10/2020 18:10:00	26.6	22.7	121.0
03/10/2020 18:20:00	26.6	22.9	121.0
03/10/2020 18:30:00	26.6	23.2	121.0
03/10/2020 18:40:00	26.5	23.4	121.0
03/10/2020 18:50:00	26.5	23.7	121.0
03/10/2020 19:00:00	26.5	23.8	121.0
03/10/2020 19:10:00	26.5	24.0	121.0
03/10/2020 19:20:00	26.5	24.1	121.0
03/10/2020 19:30:00	26.5	24.2	121.0
03/10/2020 19:40:00	26.5	24.4	121.0
03/10/2020 19:50:00	26.5	24.4	121.0
03/10/2020 20:00:00	26.5	24.5	121.0
03/10/2020 20:10:00	26.5	24.6	121.0
03/10/2020 20:20:00	26.5	24.7	121.0
03/10/2020 20:30:00	26.5	24.7	121.0
03/10/2020 20:40:00	26.5	24.8	121.0
03/10/2020 20:50:00	26.5	24.8	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>INDEPENDENT HARVEST LINE STERILIZATION (IHLS)</b>			
<b>DATE &amp; TIME</b>	<b>VESSEL TEMP TICR-0201/PV.CV</b>	<b>HARVEST LINE DRAIN TEMP TICR-0202/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (IHLS-ST01) 200-RPT/TICR-202_SP_IHLS.CV</b>
03/10/2020 21:00:00	26.5	24.9	121.0
03/10/2020 21:10:00	26.4	24.9	121.0
03/10/2020 21:20:00	26.4	24.9	121.0
03/10/2020 21:30:00	26.4	25.0	121.0
03/10/2020 21:40:00	26.4	25.0	121.0
03/10/2020 21:50:00	26.4	25.1	121.0
03/10/2020 22:00:00	26.4	25.1	121.0
03/10/2020 22:10:00	26.4	25.1	121.0
03/10/2020 22:20:00	26.4	25.2	121.0
03/10/2020 22:30:00	26.4	25.2	121.0
03/10/2020 22:40:00	26.4	25.2	121.0
03/10/2020 22:50:00	26.4	25.2	121.0
03/10/2020 23:00:00	26.4	25.3	121.0
03/10/2020 23:10:00	26.4	25.3	121.0
03/10/2020 23:20:00	26.4	25.3	121.0
03/10/2020 23:30:00	26.4	25.3	121.0
03/10/2020 23:40:00	26.4	25.3	121.0
03/10/2020 23:50:00	26.4	25.4	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
01/10/2020 00:00:00	14.4	121.0
01/10/2020 00:10:00	14.4	121.0
01/10/2020 00:20:00	14.3	121.0
01/10/2020 00:30:00	14.4	121.0
01/10/2020 00:40:00	14.4	121.0
01/10/2020 00:50:00	14.3	121.0
01/10/2020 01:00:00	14.3	121.0
01/10/2020 01:10:00	14.3	121.0
01/10/2020 01:20:00	14.3	121.0
01/10/2020 01:30:00	14.2	121.0
01/10/2020 01:40:00	14.2	121.0
01/10/2020 01:50:00	14.2	121.0
01/10/2020 02:00:00	14.2	121.0
01/10/2020 02:10:00	14.2	121.0
01/10/2020 02:20:00	14.2	121.0
01/10/2020 02:30:00	14.2	121.0
01/10/2020 02:40:00	14.2	121.0
01/10/2020 02:50:00	14.1	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
01/10/2020 03:00:00	14.1	121.0
01/10/2020 03:10:00	14.1	121.0
01/10/2020 03:20:00	14.1	121.0
01/10/2020 03:30:00	14.0	121.0
01/10/2020 03:40:00	14.0	121.0
01/10/2020 03:50:00	14.0	121.0
01/10/2020 04:00:00	14.0	121.0
01/10/2020 04:10:00	14.0	121.0
01/10/2020 04:20:00	14.0	121.0
01/10/2020 04:30:00	14.0	121.0
01/10/2020 04:40:00	14.0	121.0
01/10/2020 04:50:00	13.9	121.0
01/10/2020 05:00:00	13.9	121.0
01/10/2020 05:10:00	13.9	121.0
01/10/2020 05:20:00	13.9	121.0
01/10/2020 05:30:00	13.9	121.0
01/10/2020 05:40:00	13.9	121.0
01/10/2020 05:50:00	13.9	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
01/10/2020 06:00:00	13.9	121.0
01/10/2020 06:10:00	13.9	121.0
01/10/2020 06:20:00	13.9	121.0
01/10/2020 06:30:00	13.9	121.0
01/10/2020 06:40:00	13.9	121.0
01/10/2020 06:50:00	13.9	121.0
01/10/2020 07:00:00	13.9	121.0
01/10/2020 07:10:00	13.9	121.0
01/10/2020 07:20:00	13.8	121.0
01/10/2020 07:30:00	13.8	121.0
01/10/2020 07:40:00	13.8	121.0
01/10/2020 07:50:00	13.8	121.0
01/10/2020 08:00:00	13.8	121.0
01/10/2020 08:10:00	13.8	121.0
01/10/2020 08:20:00	13.8	121.0
01/10/2020 08:30:00	13.8	121.0
01/10/2020 08:40:00	13.8	121.0
01/10/2020 08:50:00	13.8	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
01/10/2020 09:00:00	13.8	121.0
01/10/2020 09:10:00	13.8	121.0
01/10/2020 09:20:00	13.8	121.0
01/10/2020 09:30:00	13.7	121.0
01/10/2020 09:40:00	13.8	121.0
01/10/2020 09:50:00	13.8	121.0
01/10/2020 10:00:00	13.8	121.0
01/10/2020 10:10:00	13.8	121.0
01/10/2020 10:20:00	14.0	121.0
01/10/2020 10:30:00	15.2	121.0
01/10/2020 10:40:00	16.2	121.0
01/10/2020 10:50:00	17.2	121.0
01/10/2020 11:00:00	17.9	121.0
01/10/2020 11:10:00	18.7	121.0
01/10/2020 11:20:00	19.1	121.0
01/10/2020 11:30:00	19.2	121.0
01/10/2020 11:40:00	19.5	121.0
01/10/2020 11:50:00	20.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:24		Page 884 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
01/10/2020 12:00:00	20.4	121.0
01/10/2020 12:10:00	20.2	121.0
01/10/2020 12:20:00	127.3	121.0
01/10/2020 12:30:00	127.7	121.0
01/10/2020 12:40:00	47.2	121.0
01/10/2020 12:50:00	29.3	121.0
01/10/2020 13:00:00	24.1	121.0
01/10/2020 13:10:00	21.6	121.0
01/10/2020 13:20:00	20.5	121.0
01/10/2020 13:30:00	19.9	121.0
01/10/2020 13:40:00	19.5	121.0
01/10/2020 13:50:00	19.4	121.0
01/10/2020 14:00:00	19.3	121.0
01/10/2020 14:10:00	19.3	121.0
01/10/2020 14:20:00	20.4	121.0
01/10/2020 14:30:00	21.4	121.0
01/10/2020 14:40:00	22.5	121.0
01/10/2020 14:50:00	22.9	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:24		Page 885 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
01/10/2020 15:00:00	23.3	121.0
01/10/2020 15:10:00	115.9	121.0
01/10/2020 15:20:00	44.6	121.0
01/10/2020 15:30:00	30.0	121.0
01/10/2020 15:40:00	25.1	121.0
01/10/2020 15:50:00	89.2	121.0
01/10/2020 16:00:00	31.1	121.0
01/10/2020 16:10:00	23.7	121.0
01/10/2020 16:20:00	23.4	121.0
01/10/2020 16:30:00	23.3	121.0
01/10/2020 16:40:00	23.2	121.0
01/10/2020 16:50:00	23.1	121.0
01/10/2020 17:00:00	23.1	121.0
01/10/2020 17:10:00	23.2	121.0
01/10/2020 17:20:00	23.4	121.0
01/10/2020 17:30:00	23.5	121.0
01/10/2020 17:40:00	23.7	121.0
01/10/2020 17:50:00	23.9	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:24		Page 886 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
01/10/2020 18:00:00	24.0	121.0
01/10/2020 18:10:00	24.1	121.0
01/10/2020 18:20:00	24.1	121.0
01/10/2020 18:30:00	24.0	121.0
01/10/2020 18:40:00	24.0	121.0
01/10/2020 18:50:00	24.0	121.0
01/10/2020 19:00:00	24.0	121.0
01/10/2020 19:10:00	24.1	121.0
01/10/2020 19:20:00	24.1	121.0
01/10/2020 19:30:00	24.1	121.0
01/10/2020 19:40:00	24.2	121.0
01/10/2020 19:50:00	24.2	121.0
01/10/2020 20:00:00	24.3	121.0
01/10/2020 20:10:00	24.3	121.0
01/10/2020 20:20:00	24.4	121.0
01/10/2020 20:30:00	24.5	121.0
01/10/2020 20:40:00	24.5	121.0
01/10/2020 20:50:00	24.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
01/10/2020 21:00:00	24.6	121.0
01/10/2020 21:10:00	24.7	121.0
01/10/2020 21:20:00	24.7	121.0
01/10/2020 21:30:00	24.7	121.0
01/10/2020 21:40:00	24.8	121.0
01/10/2020 21:50:00	24.9	121.0
01/10/2020 22:00:00	24.9	121.0
01/10/2020 22:10:00	24.9	121.0
01/10/2020 22:20:00	24.9	121.0
01/10/2020 22:30:00	24.9	121.0
01/10/2020 22:40:00	24.9	121.0
01/10/2020 22:50:00	24.9	121.0
01/10/2020 23:00:00	24.9	121.0
01/10/2020 23:10:00	24.9	121.0
01/10/2020 23:20:00	25.0	121.0
01/10/2020 23:30:00	25.1	121.0
01/10/2020 23:40:00	25.2	121.0
01/10/2020 23:50:00	25.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
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<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
02/10/2020 00:00:00	25.3	121.0
02/10/2020 00:10:00	25.3	121.0
02/10/2020 00:20:00	25.4	121.0
02/10/2020 00:30:00	25.4	121.0
02/10/2020 00:40:00	25.5	121.0
02/10/2020 00:50:00	25.5	121.0
02/10/2020 01:00:00	25.5	121.0
02/10/2020 01:10:00	25.5	121.0
02/10/2020 01:20:00	25.5	121.0
02/10/2020 01:30:00	25.5	121.0
02/10/2020 01:40:00	25.6	121.0
02/10/2020 01:50:00	25.6	121.0
02/10/2020 02:00:00	25.6	121.0
02/10/2020 02:10:00	25.6	121.0
02/10/2020 02:20:00	25.6	121.0
02/10/2020 02:30:00	25.6	121.0
02/10/2020 02:40:00	25.6	121.0
02/10/2020 02:50:00	25.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:24		Page 889 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
02/10/2020 03:00:00	25.7	121.0
02/10/2020 03:10:00	25.7	121.0
02/10/2020 03:20:00	25.7	121.0
02/10/2020 03:30:00	25.7	121.0
02/10/2020 03:40:00	25.7	121.0
02/10/2020 03:50:00	25.7	121.0
02/10/2020 04:00:00	25.7	121.0
02/10/2020 04:10:00	25.7	121.0
02/10/2020 04:20:00	25.7	121.0
02/10/2020 04:30:00	25.8	121.0
02/10/2020 04:40:00	25.8	121.0
02/10/2020 04:50:00	25.8	121.0
02/10/2020 05:00:00	25.8	121.0
02/10/2020 05:10:00	25.8	121.0
02/10/2020 05:20:00	25.8	121.0
02/10/2020 05:30:00	25.8	121.0
02/10/2020 05:40:00	25.8	121.0
02/10/2020 05:50:00	25.8	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:24		Page 890 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
02/10/2020 06:00:00	25.8	121.0
02/10/2020 06:10:00	25.8	121.0
02/10/2020 06:20:00	25.8	121.0
02/10/2020 06:30:00	25.8	121.0
02/10/2020 06:40:00	25.8	121.0
02/10/2020 06:50:00	25.8	121.0
02/10/2020 07:00:00	25.8	121.0
02/10/2020 07:10:00	25.8	121.0
02/10/2020 07:20:00	25.8	121.0
02/10/2020 07:30:00	25.8	121.0
02/10/2020 07:40:00	25.7	121.0
02/10/2020 07:50:00	25.7	121.0
02/10/2020 08:00:00	25.7	121.0
02/10/2020 08:10:00	25.7	121.0
02/10/2020 08:20:00	25.7	121.0
02/10/2020 08:30:00	25.6	121.0
02/10/2020 08:40:00	25.6	121.0
02/10/2020 08:50:00	25.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:24		Page 891 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
02/10/2020 09:00:00	25.6	121.0
02/10/2020 09:10:00	25.6	121.0
02/10/2020 09:20:00	25.6	121.0
02/10/2020 09:30:00	25.6	121.0
02/10/2020 09:40:00	25.6	121.0
02/10/2020 09:50:00	25.6	121.0
02/10/2020 10:00:00	25.6	121.0
02/10/2020 10:10:00	25.6	121.0
02/10/2020 10:20:00	25.6	121.0
02/10/2020 10:30:00	25.6	121.0
02/10/2020 10:40:00	25.6	121.0
02/10/2020 10:50:00	25.6	121.0
02/10/2020 11:00:00	25.6	121.0
02/10/2020 11:10:00	25.6	121.0
02/10/2020 11:20:00	25.6	121.0
02/10/2020 11:30:00	25.6	121.0
02/10/2020 11:40:00	25.6	121.0
02/10/2020 11:50:00	25.6	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:24		Page 892 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
02/10/2020 12:00:00	25.6	121.0
02/10/2020 12:10:00	25.6	121.0
02/10/2020 12:20:00	25.7	121.0
02/10/2020 12:30:00	25.7	121.0
02/10/2020 12:40:00	25.7	121.0
02/10/2020 12:50:00	25.7	121.0
02/10/2020 13:00:00	25.7	121.0
02/10/2020 13:10:00	25.7	121.0
02/10/2020 13:20:00	25.7	121.0
02/10/2020 13:30:00	25.7	121.0
02/10/2020 13:40:00	25.7	121.0
02/10/2020 13:50:00	25.7	121.0
02/10/2020 14:00:00	25.7	121.0
02/10/2020 14:10:00	25.8	121.0
02/10/2020 14:20:00	25.8	121.0
02/10/2020 14:30:00	25.8	121.0
02/10/2020 14:40:00	25.8	121.0
02/10/2020 14:50:00	25.8	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:24		Page 893 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
02/10/2020 15:00:00	25.8	121.0
02/10/2020 15:10:00	25.8	121.0
02/10/2020 15:20:00	25.8	121.0
02/10/2020 15:30:00	25.8	121.0
02/10/2020 15:40:00	25.8	121.0
02/10/2020 15:50:00	25.9	121.0
02/10/2020 16:00:00	25.9	121.0
02/10/2020 16:10:00	25.9	121.0
02/10/2020 16:20:00	25.9	121.0
02/10/2020 16:30:00	25.9	121.0
02/10/2020 16:40:00	25.9	121.0
02/10/2020 16:50:00	25.9	121.0
02/10/2020 17:00:00	25.9	121.0
02/10/2020 17:10:00	25.9	121.0
02/10/2020 17:20:00	26.0	121.0
02/10/2020 17:30:00	26.0	121.0
02/10/2020 17:40:00	26.0	121.0
02/10/2020 17:50:00	26.0	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:24		Page 894 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
02/10/2020 18:00:00	26.0	121.0
02/10/2020 18:10:00	26.0	121.0
02/10/2020 18:20:00	26.0	121.0
02/10/2020 18:30:00	26.0	121.0
02/10/2020 18:40:00	26.0	121.0
02/10/2020 18:50:00	26.0	121.0
02/10/2020 19:00:00	26.0	121.0
02/10/2020 19:10:00	26.0	121.0
02/10/2020 19:20:00	26.1	121.0
02/10/2020 19:30:00	26.1	121.0
02/10/2020 19:40:00	26.1	121.0
02/10/2020 19:50:00	26.1	121.0
02/10/2020 20:00:00	26.1	121.0
02/10/2020 20:10:00	26.1	121.0
02/10/2020 20:20:00	26.1	121.0
02/10/2020 20:30:00	26.1	121.0
02/10/2020 20:40:00	26.1	121.0
02/10/2020 20:50:00	26.1	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:24		Page 895 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
02/10/2020 21:00:00	26.1	121.0
02/10/2020 21:10:00	26.1	121.0
02/10/2020 21:20:00	26.1	121.0
02/10/2020 21:30:00	26.1	121.0
02/10/2020 21:40:00	26.1	121.0
02/10/2020 21:50:00	26.1	121.0
02/10/2020 22:00:00	26.1	121.0
02/10/2020 22:10:00	26.1	121.0
02/10/2020 22:20:00	26.2	121.0
02/10/2020 22:30:00	26.2	121.0
02/10/2020 22:40:00	26.2	121.0
02/10/2020 22:50:00	26.2	121.0
02/10/2020 23:00:00	26.2	121.0
02/10/2020 23:10:00	26.2	121.0
02/10/2020 23:20:00	26.2	121.0
02/10/2020 23:30:00	26.2	121.0
02/10/2020 23:40:00	26.2	121.0
02/10/2020 23:50:00	26.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:24		Page 896 of 905



<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
03/10/2020 00:00:00	26.2	121.0
03/10/2020 00:10:00	26.2	121.0
03/10/2020 00:20:00	26.2	121.0
03/10/2020 00:30:00	26.2	121.0
03/10/2020 00:40:00	26.2	121.0
03/10/2020 00:50:00	26.2	121.0
03/10/2020 01:00:00	26.2	121.0
03/10/2020 01:10:00	26.2	121.0
03/10/2020 01:20:00	26.2	121.0
03/10/2020 01:30:00	26.2	121.0
03/10/2020 01:40:00	26.2	121.0
03/10/2020 01:50:00	26.2	121.0
03/10/2020 02:00:00	26.2	121.0
03/10/2020 02:10:00	26.2	121.0
03/10/2020 02:20:00	26.2	121.0
03/10/2020 02:30:00	26.2	121.0
03/10/2020 02:40:00	26.2	121.0
03/10/2020 02:50:00	26.2	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:24		Page 897 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
03/10/2020 03:00:00	26.2	121.0
03/10/2020 03:10:00	26.2	121.0
03/10/2020 03:20:00	26.2	121.0
03/10/2020 03:30:00	26.2	121.0
03/10/2020 03:40:00	26.2	121.0
03/10/2020 03:50:00	26.2	121.0
03/10/2020 04:00:00	26.2	121.0
03/10/2020 04:10:00	26.2	121.0
03/10/2020 04:20:00	26.2	121.0
03/10/2020 04:30:00	26.2	121.0
03/10/2020 04:40:00	26.1	121.0
03/10/2020 04:50:00	26.1	121.0
03/10/2020 05:00:00	26.1	121.0
03/10/2020 05:10:00	26.1	121.0
03/10/2020 05:20:00	26.1	121.0
03/10/2020 05:30:00	26.1	121.0
03/10/2020 05:40:00	26.1	121.0
03/10/2020 05:50:00	26.1	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:25		Page 898 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
03/10/2020 06:00:00	26.1	121.0
03/10/2020 06:10:00	26.1	121.0
03/10/2020 06:20:00	26.0	121.0
03/10/2020 06:30:00	26.0	121.0
03/10/2020 06:40:00	26.0	121.0
03/10/2020 06:50:00	26.0	121.0
03/10/2020 07:00:00	25.9	121.0
03/10/2020 07:10:00	25.9	121.0
03/10/2020 07:20:00	25.9	121.0
03/10/2020 07:30:00	25.9	121.0
03/10/2020 07:40:00	25.9	121.0
03/10/2020 07:50:00	25.9	121.0
03/10/2020 08:00:00	25.9	121.0
03/10/2020 08:10:00	25.9	121.0
03/10/2020 08:20:00	25.9	121.0
03/10/2020 08:30:00	25.9	121.0
03/10/2020 08:40:00	26.0	121.0
03/10/2020 08:50:00	26.0	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:25		Page 899 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
03/10/2020 09:00:00	26.0	121.0
03/10/2020 09:10:00	26.0	121.0
03/10/2020 09:20:00	26.0	121.0
03/10/2020 09:30:00	26.0	121.0
03/10/2020 09:40:00	26.0	121.0
03/10/2020 09:50:00	26.0	121.0
03/10/2020 10:00:00	26.1	121.0
03/10/2020 10:10:00	26.1	121.0
03/10/2020 10:20:00	26.1	121.0
03/10/2020 10:30:00	26.1	121.0
03/10/2020 10:40:00	26.1	121.0
03/10/2020 10:50:00	26.1	121.0
03/10/2020 11:00:00	25.3	121.0
03/10/2020 11:10:00	22.2	121.0
03/10/2020 11:20:00	19.9	121.0
03/10/2020 11:30:00	18.6	121.0
03/10/2020 11:40:00	17.6	121.0
03/10/2020 11:50:00	17.0	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:25		Page 900 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
03/10/2020 12:00:00	16.5	121.0
03/10/2020 12:10:00	16.1	121.0
03/10/2020 12:20:00	15.8	121.0
03/10/2020 12:30:00	15.7	121.0
03/10/2020 12:40:00	15.5	121.0
03/10/2020 12:50:00	15.4	121.0
03/10/2020 13:00:00	15.3	121.0
03/10/2020 13:10:00	15.2	121.0
03/10/2020 13:20:00	15.2	121.0
03/10/2020 13:30:00	15.1	121.0
03/10/2020 13:40:00	15.1	121.0
03/10/2020 13:50:00	15.3	121.0
03/10/2020 14:00:00	15.3	121.0
03/10/2020 14:10:00	15.4	121.0
03/10/2020 14:20:00	15.2	121.0
03/10/2020 14:30:00	15.3	121.0
03/10/2020 14:40:00	15.4	121.0
03/10/2020 14:50:00	15.4	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:25		Page 901 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
03/10/2020 15:00:00	15.5	121.0
03/10/2020 15:10:00	15.4	121.0
03/10/2020 15:20:00	15.4	121.0
03/10/2020 15:30:00	15.4	121.0
03/10/2020 15:40:00	15.4	121.0
03/10/2020 15:50:00	16.1	121.0
03/10/2020 16:00:00	17.4	121.0
03/10/2020 16:10:00	18.4	121.0
03/10/2020 16:20:00	19.2	121.0
03/10/2020 16:30:00	19.9	121.0
03/10/2020 16:40:00	20.5	121.0
03/10/2020 16:50:00	21.0	121.0
03/10/2020 17:00:00	21.4	121.0
03/10/2020 17:10:00	21.7	121.0
03/10/2020 17:20:00	22.1	121.0
03/10/2020 17:30:00	22.3	121.0
03/10/2020 17:40:00	22.6	121.0
03/10/2020 17:50:00	22.9	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:25		Page 902 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
03/10/2020 18:00:00	23.1	121.0
03/10/2020 18:10:00	23.2	121.0
03/10/2020 18:20:00	23.5	121.0
03/10/2020 18:30:00	23.7	121.0
03/10/2020 18:40:00	23.9	121.0
03/10/2020 18:50:00	24.1	121.0
03/10/2020 19:00:00	24.2	121.0
03/10/2020 19:10:00	24.3	121.0
03/10/2020 19:20:00	24.5	121.0
03/10/2020 19:30:00	24.6	121.0
03/10/2020 19:40:00	24.7	121.0
03/10/2020 19:50:00	24.7	121.0
03/10/2020 20:00:00	24.8	121.0
03/10/2020 20:10:00	24.9	121.0
03/10/2020 20:20:00	24.9	121.0
03/10/2020 20:30:00	25.0	121.0
03/10/2020 20:40:00	25.0	121.0
03/10/2020 20:50:00	25.1	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:25		Page 903 of 905

<b>SAMPLING (SAM)</b>		
<b>DATE &amp; TIME</b>	<b>SAMPLING LINE DRAIN TEMP TICR-0206/PV.CV</b>	<b>STERILIZATION TEMPERATURE SP (SMP-ST01) 200-RPT/TICR-206_SP_SMP.CV</b>
03/10/2020 21:00:00	25.1	121.0
03/10/2020 21:10:00	25.1	121.0
03/10/2020 21:20:00	25.2	121.0
03/10/2020 21:30:00	25.2	121.0
03/10/2020 21:40:00	25.2	121.0
03/10/2020 21:50:00	25.2	121.0
03/10/2020 22:00:00	25.2	121.0
03/10/2020 22:10:00	25.3	121.0
03/10/2020 22:20:00	25.3	121.0
03/10/2020 22:30:00	25.3	121.0
03/10/2020 22:40:00	25.3	121.0
03/10/2020 22:50:00	25.3	121.0
03/10/2020 23:00:00	25.4	121.0
03/10/2020 23:10:00	25.3	121.0
03/10/2020 23:20:00	25.3	121.0
03/10/2020 23:30:00	25.3	121.0
03/10/2020 23:40:00	25.3	121.0
03/10/2020 23:50:00	25.3	121.0

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:25		Page 904 of 905



**E-Signature**

<b>Checked By: -</b>	USER_OPERATOR
<b>Date &amp; Time: -</b>	12/10/2020 16:30:57
<b>Comments: -</b>	Operator Comments entered while verifying batch
<b>Verified By: -</b>	USER_SUPERVISOR
<b>Date &amp; Time: -</b>	12/10/2020 16:45:58
<b>Comments: -</b>	Supervisor Comments to Verify Reports and found ok
<b>Approved By: -</b>	USER_MANAGER
<b>Date &amp; Time</b>	12/10/2020 17:01:40
<b>Comments: -</b>	Manager Comments for Approving Batch Report Data Found Ok

Checked By: USER_OPERATOR	Verified By:- USER_SUPERVISOR	Approved By: - USER_MANAGER
Print Date & Time: -12/10/2020 21:41:25		Page 905 of 905