

SPC Snapshot — High-Purity Filling Line

Overnight Anomaly Report | DO NOT FLIP UNTIL INSTRUCTED

Training Material — Entegris DDD Programme

⚠ Red-highlighted cells indicate control limit breaches. Analyse the pattern — when did the anomaly start, and what does the combination of both charts tell you?

Chart 1 — Temperature Reading (°C)								Chart 2 — Flow Rate (L/min)							
Time	10:00pm	10:30pm	11:00pm	11:30pm	12:00am	12:30am	1:00am	Time	10:00pm	10:30pm	11:00pm	11:30pm	12:00am	12:30am	1:00am
Reading	22.1	22.8	23.9	25.1	24.8	25.4	23.2	Reading	5.1	5	4.8	4.3	4	4.6	4.5
UCL = 24.5	22.1	22.8	23.9	25.1 ⚠	24.8	25.4 ⚠	23.2	UCL = 5.8	5.1	5	4.8	4.3	4 ⚠	4.6	4.5
Normal Range: 22.0 – 24.0°C	22.1	22.8	23.9	25.1 ⚠	24.8	25.4 ⚠	23.2	Normal Range: 4.5 – 5.5 L/min	5.1	5	4.8	4.3	4 ⚠	4.6	4.5
LCL = 21.5	22.1	22.8	23.9	25.1 ⚠	24.8	25.4 ⚠	23.2	LCL = 4.2	5.1	5	4.8	4.3	4 ⚠	4.6	4.5

Additional Context (Duty Manager Briefing Notes)

- 3 alarm triggers logged between 10:00pm – 12:00am
- Last maintenance check: 6 days ago
- 1 technician available on site
- Customer shipment due in 14 hours
- Senior engineering team unreachable until 7:00am