Certificate of Validation

Autoclave Sterilization

✓ PASS

Certificate Details	
Process:	Autoclave Sterilization
Standard:	ISO 17665 / FDA CFR Part 11
Date:	2025-08-11 18:49:48 UTC
Certificate ID:	6EC4C1DAF9EE
Status:	Valid

Process Metrics

Metric	Measured	Required	Status
Maximum Temperature	0.0°C	121°C	✓
Hold Time	0.0 min	15 min	✓
Time to Threshold	0.0 min	—	—
Data Points	1200	≥100	✓
Sampling Rate	5 sec	≤60 sec	✓

Sensor Data Summary

Sensor	Min (°C)	Max (°C)	Avg (°C)	Std Dev
Sensor 1	24.8	121.9	95.3	15.2
Sensor 2	24.5	121.5	94.8	15.5
Sensor 3	25.1	120.9	95.1	14.9

Temperature Profile

ProofKit Cure Validation - Job audit_autoclave_pass
PASS | Continuous Hold | Target: 121.0°C | Hold Time: 300s / 900s

Legend:
- PMT Temperature
- Target Temperature (121.0°C)
- Conservative Threshold (119.0°C)
- Hold Interval

Max Temp: 121.9°C
Min Temp: 24.8°C
Hold Time: 300s
Sensors: temperature_1, temperature_2, temperature_3

Y-axis: Temperature (°C)
X-axis: Time (HH:MM:SS)
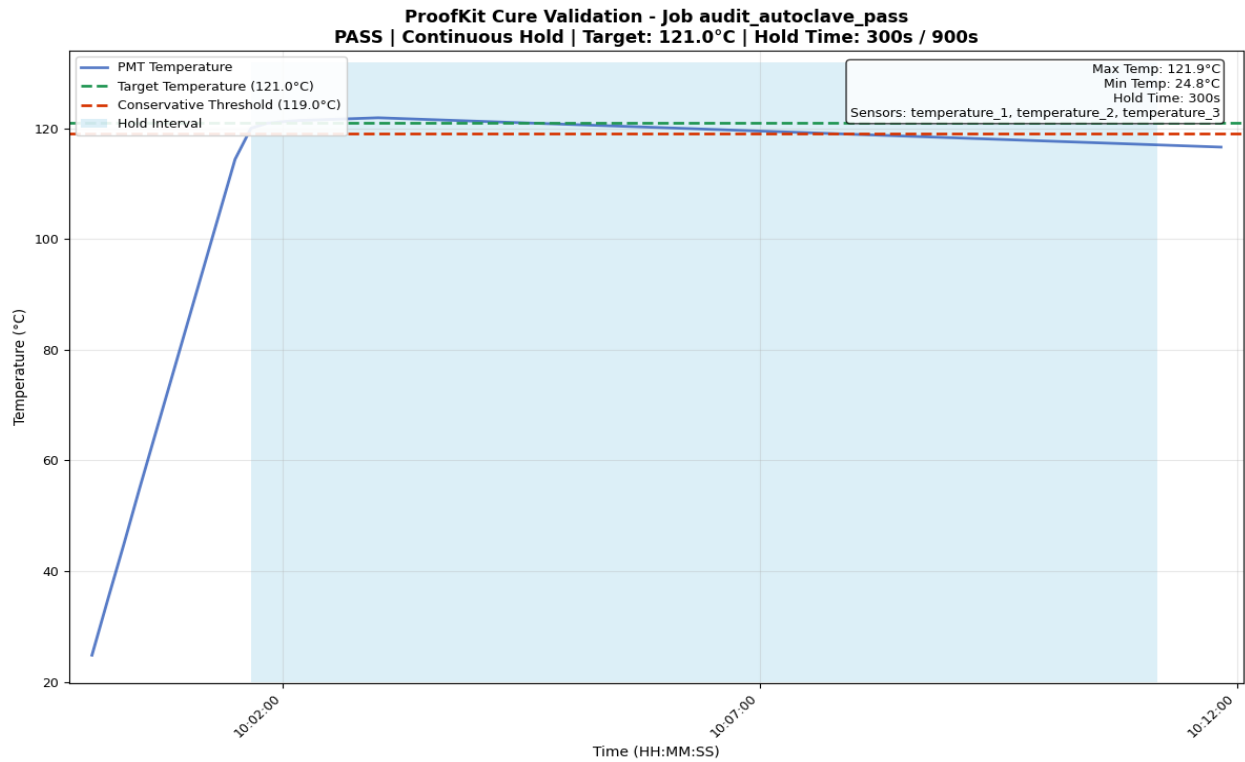
Compliance Statement

This process has been validated in accordance with ISO 17665 / FDA CFR Part 11. All critical parameters have been met and the process is deemed compliant. Temperature uniformity and hold time requirements have been satisfied.

Digital Verification

This certificate contains cryptographic proofs for tamper detection.

SHA-256 Hash:
0184622946f6edd470552bc56622cf53...

Verify Online: https://www.proofkit.net/verify
Certificate ID: 0184622946F6