

# Certificate of Validation

## Cold Chain Storage

X FAIL

Certificate Details	
Process:	Cold Chain Storage
Standard:	GDP / USP <1079>
Date:	2025-08-11 18:49:48 UTC
Certificate ID:	483099966927
Status:	Invalid

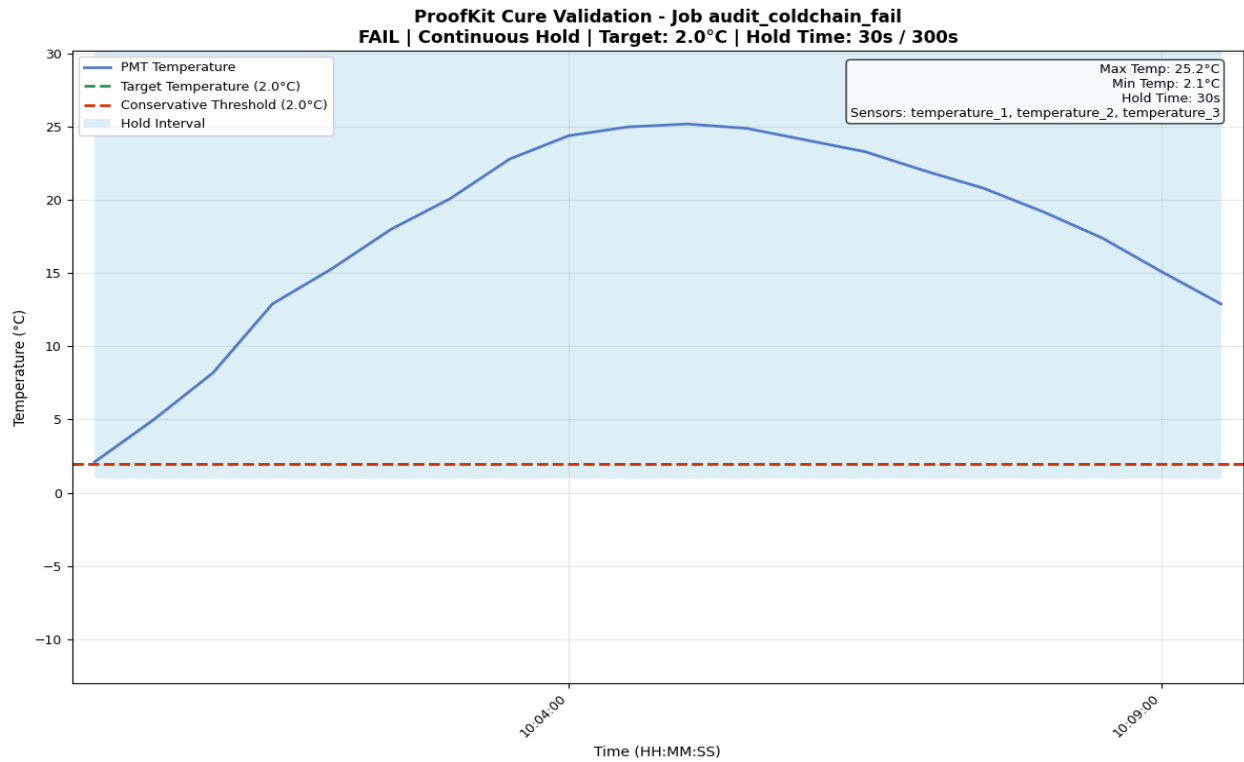
## Process Metrics

Metric	Measured	Required	Status
Maximum Temperature	0.0°C	54°C	X
Hold Time	0.0 min	15 min	X
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	190.2	165.4	15.2
Sensor 2	24.5	189.8	164.9	15.5
Sensor 3	25.1	190.5	165.2	14.9

## Temperature Profile



## Compliance Statement

This process has FAILED to meet the requirements of GDP / USP <1079>. Critical parameters were not achieved. The process requires adjustment and revalidation. See metrics table above for specific failures.



### Digital Verification

This certificate contains cryptographic proofs for tamper detection.

#### SHA-256 Hash:

26e7c68f70cdcb7b9662c5f3a4949544...

**Verify Online:** <https://www.proofkit.net/verify>

**Certificate ID:** 26E7C68F70CD