



ISO/IEC 17025:2005 Compliant Calibration Certificates

The calibration of your instrument is not complete without documentation, nor is it considered NIST traceable if the documentation is not compliant with an accepted calibration standard such as ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This standard dictates the minimum information that must be included on calibration certificates to demonstrate NIST traceability.

Document title Unique identification of the Certificate on each page

Certificate of Calibration

Certificate: **CC011385** On-site Calibration: Yes

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Customer: Coastal Calibration Laboratories
Contact: Brian Sams

Manufacturer: Ever Ready Thermometer Co., Inc. (ERTCO)
Model: R-020-1R
Description: Thermometer, Full Immersion Mercury
Range: (-5.0 to 15.0) °C
Accuracy: Manufacturer: ± 0.5 °C
User Defined: ± 1 °C

Location: Room 259 (Storage Room)
System Desc.: Refrigerator

Type of Cal.: Normal
As Found: In Tolerance
As Left: Left as Found
Technician: Brian Sams
Procedure: CP0006: Temperature Devices
Comments: Instrument Specific: N/A
Calibration Specific: N/A

For purposes of determining pass/fail criteria, indicated deviations shall be rounded to the same resolution as the UUT's specified accuracy per the rounding method of ASTM Practice E29. The measurement results contained in this certificate were obtained using standards with uncertainties traceable to the SI (International System of Units) via reference to national measurement standards, established natural constants, or consensus standards. A TAR (Test Accuracy Ratio) of 4:1 is maintained unless otherwise stated. CCL's quality system satisfies applicable requirements of ISO/IEC 17025 and ISO9001. Results contained in this certificate relate only to the item calibrated. This certificate shall not be reproduced except in full, without written approval from CCL.

Brian Sams, President

Calibration Data (−5.0 to 15.0) °C, 0.5° div.

Standard	UUT As-Found	UUT As-Found Deviation	UUT As-Left	UUT As-Left Deviation
−4.0 °C	−4.1	−0.1	N/A	
2.0 °C	1.9	−0.1	N/A	
8.0 °C	8.0	0.	N/A	
14.0 °C	14.0	0.	N/A	

UUT = Unit Under Test

Calibration Standards

Standard ID	Description	Due Date
SD0018	Bath, Temperature	31Jan10
SD0069	Sensor, Temperature/Humidity	31Jan10

End of Data

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Identification of the customer

Unambiguous description of the instrument calibrated

Calibration procedure(s) utilized

Calibration results with units of measure

NIST traceable calibration standards

Identification of the calibration laboratory

Location where calibration was performed, if different from CCL's facility

Date of calibration

Environmental conditions

Statement of compliances with applicable metrological standards

Name of person authorizing the certificate

Clear identification of the end of the calibration certificate

In addition to the above requirements, certificates contain the following information and can be further customized to meet specific needs:

- The instrument's physical location within your facility.
- Associated system and P&ID tag, as applicable.
- Type of calibration (Normal, Limited, As-Found, Reference, Rejected).
- As-found and as-left status based on manufacturer and/or customer defined criteria.
- The date due for recalibration.