

CALIBRATION CERTIFICATE

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CALIBRATION REPORT FOR THERMOMETER

THIS REPORT OF CALIBRATION SHALL DOCUMENT THAT THE INSTRUMENT DESCRIBED HEREIN WAS EXAMINED AND TESTED IN KESSLER'S CALIBRATION LABORATORY AGAINST NIST TRACEABLE REFERENCE STANDARDS, IN ACCORDANCE TO KESSLER'S PROCEDURE T-2008, WHICH IS BASED ON ASTM E-77-14 (2014) AND NIST PUBLICATION 250-23. THIS CALIBRATION MEETS THE REQUIREMENTS OF ISO/IEC 17025, ANSI/NCLC Z2540-1-1994 AND THE ISO 9000 AND QS 9000 SERIES OF QUALITY STANDARDS.

CUSTOMER INFORMATION: Sample Company

Purchase Order Number: 8452

Date Calibrated: November XX, 20XX Next Recommended Due Date or per company's requirement: November XX, 20XX

INSTRUMENT DESCRIPTION:

Serial No.: 807325

Marked: ASTM 1C-99 KESSLER USA

Catalog No.: 1102-C

Scale Range: -20/150°C

Divisions: 1°C

Immersion: 76MM

RESULTS OF PHYSICAL EXAMINATION:

This instrument was examined under a polarized lens and strains in the glass, if any, were judged to be minimal and of no detriment to the function of the instrument. The capillary was examined under magnification and no irregularities or foreign material was discovered. It was determined that this instrument was suitable for calibration.

RESULTS OF CALIBRATION:

TEST TEMP °C	READING °C	CORRECTION °C	UNCERTAINTY °C	AVERAGE TEMP. OF EMERGENT STEM
-20.0	-20.0	0.0	+/-0.3	15°C
0.0	0.0	0.0	+/-0.3	22°C
50.0	50.0	0.0	+/-0.3	30°C
100.0	99.9	+0.1	+/-0.3	33°C
150.0	150.0	0.0	+/-0.3	36°C

A coverage factor of 2 sigma (K=2) has been applied to the standard uncertainty in order to express the expanded uncertainty at approximately a 95% confidence level.

The above readings were made under magnification and resolved to one tenth of one scale division.

- The indications of this instrument cannot be adjusted or modified by ordinary means: accordingly, the readings given in the table above should be considered, in effect to be both "As Found" and "As Left" readings
- Laboratory Environment Conditions: Temperature: 25°C ± 5°C / Relative Humidity: Between 40% and 60%
- All temperatures given in this report are based on the International Scale of 1990 (ITS-90)


TRACEABILITY INFORMATION:

NIST Primary Standard: Rosemount Model 162CE Serial No. 5058.

Transfer Standard: Hart Scientific 1502A Serial No. A14422 / 547027

Report Number: Y224891

Calibration Performed By: Barbara Plaza

Approved By: 
Shameza Latchman

Calibration Report Prepared By: RP

Report No.: 020816-15