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 17025 Accredited Lab

Item 1618

| Calibration # | R-4610 | Temperature | Reading | | Correction | | ASTM E29 AVG. CORRECTION |
|---|-------------|-------------|---------|--------|------------|-------|--------------------------|
| | | | Point | FRONT | BACK | FRONT | |
| Degree: | ° F | | | | | | |
| | | 32 | 31.7 | 31.7 | 0.3 | 0.3 | 0.3 |
| P.O. #: | 3555 | 100 | 99.5 | 99.5 | 0.5 | 0.5 | 0.5 |
| Description: TYPE-K THERMOCOUPLE WIRE K20-2-HG 1000' | | 200 | 199.4 | 199.4 | 0.6 | 0.6 | 0.6 |
| | | 400 | 398.9 | 399.0 | 1.1 | 1.0 | 1.0 |
| | | 600 | 598.5 | 598.7 | 1.5 | 1.3 | 1.4 |
| | | 800 | 798.9 | 799.1 | 1.1 | 0.9 | 1.0 |
| | | 1000 | 1000.4 | 1000.6 | -0.4 | -0.6 | -0.5 |
| | | 1200 | 1201.0 | 1201.2 | -1.0 | -1.2 | -1.1 |
| | | 1400 | 1400.8 | 1401.1 | -0.8 | -1.1 | -1.0 |
| | | 1600 | 1601.1 | 1601.0 | -1.1 | -1.0 | -1.0 |
| Spool # | GK60120-3-7 | | | | | | |
| Test Date: | 2/1/2016 | | | | | | |
| Job #: | 176355 | | | | | | |

This item meets ASTM E230 Special Limits Standard Limits New Calibration Recalibration

BAC 5621 K, Table IV +/- 2 °F (+/- 1.1 °C) to 1000° F, 0.4% above AMS 2750 E Noble Metal +/- 1° F (+/- 0.6 °C) or 0.1%

BAC 5621 K, Table IV, FL 4 +/- 2 °F (+/- 1.1 °C) or 0.4% AMS 2750 E Base Metal +/- 2° F (+/- 1.1 °C) or 0.4%

The calibrated equipment used for this test, listed below, is maintained in accordance with AMS 2750E, BAC 5621K (no PSD's), ANSI/NCSL Z540-1, ISO 10012, ISO 17025, RPS 953, PWA (F-40). Measurement results are traceable to standards maintained at the NIST. Test methods are per ASTM E220-13, ASTM E230/E230M-12, GEOCORP QW-001-M

| | | | |
|---|---|--|--|
| NIST SENSOR: 287605 Calibrated: 11/24/2015 Due: 11/24/2016 Type: S | Working Std: A-3693 Calibrated: 1/28/2016 Due: 1/28/2017 Type: S | Instrument: Kelthley 2701 S/N: 1118487 Calibrated: 8/18/2015 Due: 8/18/2016 | Humidity: 40% Nominal Ambient Temp 72° F Immersion Depth: 24" tech: JO by: JO |
|---|---|--|--|

Estimated uncertainty, k=2, 95%
 Thermocouple Types-K and N: -196° C to < 0° C = .71° C; 0° C to 1093 = .89° C; >1093 to 1344 = 1.9° C
 Thermocouple Type-J: -196° C to < 0° C = .70° C; 0° C to 760° C = .88° C

Noreen Roth
 NOREEN ROTH
 APPROVED SIGNATORY

TYPE-K THERMOCOUPLE WIRE

GRAPH DATA

VARIATION FROM TRUE TEMPERATURE

