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GeoCorp, Inc.

# Cover Page

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9010 River Road • Huron, Ohio 44839
P: 419-433-1101 F: 419-433-1102
17025 Accredited Lab

## *Certificate of Calibration & Compliance For:*

ACCURATE CALIB. & REPAIR SERV., INC
1924 PINNACLE DR.
AURORA, IL 60502

CALIBRATION
NVLAP LAB CODE: 200496-0

*NVLAP is a U.S. Government entity administered by the NIST, an agency of the Department of Commerce.*

| Calibration # | BA5226 | Temperature | Reading | | Correction | | | ASTM E29 AVG. |
|---|---|---|---|---|---|---|---|---|
| Degree: ° | F | Point | FRONT | BACK | FRONT | BACK | | CORRECTION |
| | | 100 | 99.9 | 99.9 | 0.1 | 0.1 | | 0.1 |
| P.O. #: | 2020033 | 200 | 199.7 | 199.7 | 0.3 | 0.3 | | 0.3 |
| | | 400 | 399.1 | 399.1 | 0.9 | 0.9 | | 0.9 |
| Description: | Thermocouple Wire | 600 | 598.4 | 598.4 | 1.6 | 1.6 | | 1.6 |
| TYPE | K | 700 | 698.2 | 698.2 | 1.8 | 1.8 | | 1.8 |
| 1000' | K20-2-HG | 800 | 798.1 | 798.0 | 1.9 | 2.0 | | 2.0 |
| | | 900 | 898.0 | 898.0 | 2.0 | 2.0 | | 2.0 |
| | | 1000 | 998.1 | 998.1 | 1.9 | 1.9 | | 1.9 |
| | | 1100 | 1098.3 | 1098.3 | 1.7 | 1.7 | | 1.7 |
| | | 1200 | 1198.6 | 1198.6 | 1.4 | 1.4 | | 1.4 |
| | | 1400 | 1399.3 | 1399.3 | 0.7 | 0.7 | | 0.7 |
| | | 1600 | 1600.1 | 1600.1 | -0.1 | -0.1 | | -0.1 |
| | | 1800 | 1800.9 | 1800.8 | -0.9 | -0.8 | | -0.8 |
| Spool Length: | 1000' | | | | | | | |
| Spool # | GK00706-18-4 | | | | | | | |
| Test Date: | 7/31/2020 | | | | | | | |
| Job #: | 239876 | | | | | | | |

This Item meets ASTM E230 ☒ Special Limits ☐ Standard Limits ☒ New Calibration ☐ Recalibration

☒ BAC 5621 L, Table V +/- 2 °F (+/- 1.1° C) to 1000° F, +/- 0.4% above
☐ BAC 5621 L, Table V, FL 4 +/- 2 °F (+/- 1.1° C) or +/- 0.4%
☐ AMS 2750 F Noble Metal +/- 1° F ( +/- 0.6 ° C) or +/- 0.1%
☒ AMS 2750 F 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 2750F, BAC 5621L (no PSD's), ANSI/NCSL Z540-3, ISO 10012, ISO/IEC 17025, RRP 54000 , PWA (F-40). Measurement results are traceable to standards maintained at the NIST. Test methods are per ASTM E220-19, ASTM E230/E230M-17, GEOCORP QW-001-O

| NIST SENSOR: 292827 | Primary Sensor: A-4254 | Primary Inst: Keithley 2701 | Humidity: 40% Nominal |
|---|---|---|---|
| Calibrated: 11/22/2019 | Calibrated: 6/15/2020 | S/N: 1212892 | Ambient Temp 72° F |
| Due: 11/22/2020 | Due: 6/15/2021 | Calibrated: 7/8/2020 | Immersion Depth: 24" |
| Type: S | Type: S | Due: 7/8/2021 | tech: BW by: BW |
| | | | *Issue Date:* *7/31/2020* |

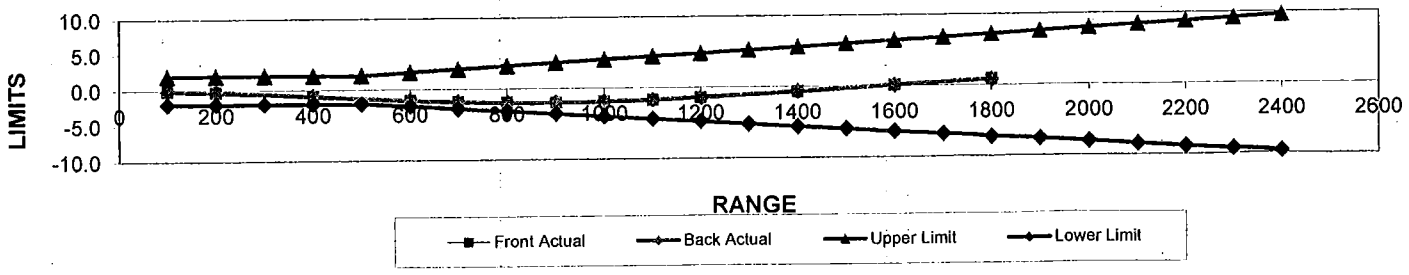
Estimated uncertainty, *k* =2, 95 %
Thermocouple Types-K *and* N: -196 °C to < 0 °C = 0.71 °C; 0 °C to 1093 = 0.89 °C; >1093 to 1344 = 1.9 °C
Thermocouple Type-J: -196 °C to < 0 °C = 0.70 °C; 0 °C to 760 °C = 0.88 °C

NOREEN ROTH
APPROVED SIGNATORY

TYPE
K Thermocouple Wire

GRAPH DATA

*VARIATION FROM TRUE TEMPERATURE*

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