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GeoCorp, Inc.

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GeoCorp, Inc.

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9010 River Road • Huron, Ohio 44839

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17025 Accredited Lab

Certificate of Calibration & Compliance For:
Accurate Calibration & Repair Service, 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 #	T-1686	Temperature	Reading		Correction		ASTM E29 AVG.
Degree: °	F	Point	FRONT	BACK	FRONT	BACK	CORRECTION
		200	200.3	200.4	-0.3	-0.4	-0.4
P.O. #:	2017035	400	401.0	401.2	-1.0	-1.2	-1.1
		600	600.4	600.6	-0.4	-0.6	-0.5
Description: Type: K Thermocouple 10 ea. 1-48K1U3 (1/16" x 48") 10 ea. 1-60K1U3 (1/16" x 60")		800	800.5	800.7	-0.5	-0.7	-0.6
		1000	1000.6	1000.8	-0.6	-0.8	-0.7
		1200	1200.4	1200.5	-0.4	-0.5	-0.4
		1400	1400.2	1400.3	-0.2	-0.3	-0.2
		1600	1599.4	1599.5	0.6	0.5	0.6
		1800	1798.5	1798.7	1.5	1.3	1.4
		2000	1997.4	1997.7	2.6	2.3	2.4
		2200	2197.1	2197.3	2.9	2.7	2.8
		2300	2297.5	2297.7	2.5	2.3	2.4
Spool #	MG17105C						
Test Date:	3/24/2017						
Job #	193904						

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/NCSS Z540-3, ISO 10012, ISO/IEC 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, GEORP QW-001-N

NIST SENSOR: 288994

Working Std: A-3854

Instrument: Keithley 2701

Humidity: 40% Nominal

Calibrated: 8/26/2016

Calibrated: 3/13/2017

S/N: 1118487

Ambient Temp 72° F

Due: 8/26/2017

Due: 3/13/2018

Calibrated: 8/23/2016

Immersion Depth: 24"

Type: S

Type: S

Due: 8/23/2017

tech: bw by: ck

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

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APPROVED SIGNATORY

Type: K Thermocouple

GRAPH DATA

VARIATION FROM TRUE TEMPERATURE

