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GeoCorp, Inc.

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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 Calibration & Repair Service, Inc.
1924 Pinnacle Dr.
Aurora, IL 60502



NVLAP LAB CODE: 200496-0
NVLAP is a U.S. Government entity
administered by the NIST, an agency
of the Department of Commerce.

Calibration #	M-9224	Temperature	Reading		Correction		ASTM E29 AVG.
Degree: °	F	Point	FRONT	BACK	FRONT	BACK	CORRECTION
		100	99.6	99.7	0.4	0.3	0.4
P.O. #:	344219	300	299.4	299.5	0.6	0.5	0.6
		500	498.9	498.9	1.1	1.1	1.1
Description: Type: N Thermocouple 4 ea. 2-14N1U1 (1/8" x 14") 36 ea. 2-24N1U1 (1/8" x 24") 28 ea. 2-30N1U1 (1/8" x 30") 52 ea. 2-36N1U1 (1/8" x 36") 4 ea. 2-48N1U1 (1/8" x 48") 4 ea. 2-60N1U1 (1/8" x 60")		700	699.2	699.1	0.8	0.9	0.8
		900	900.3	900.2	-0.3	-0.2	-0.2
		1100	1101.3	1101.1	-1.3	-1.1	-1.2
		1300	1301.8	1301.7	-1.8	-1.7	-1.8
		1500	1501.5	1501.5	-1.5	-1.5	-1.5
		1700	1700.6	1700.8	-0.6	-0.8	-0.7
		1900	1900.1	1900.3	-0.1	-0.3	-0.2
		2000	1999.4	1999.4	0.6	0.6	0.6
Spool #	MG10177C						
Test Date:	3/5/2014						

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 Z540-1, 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-L

NIST SENSOR: 284567 Calibrated: 12/11/2013 Due: 12/11/2014 Type: S	Working Std: A-3491 Calibrated: 1/18/2014 Due: 1/18/2015 Type: S	Instrument: Keithley 2701 S/N: 1212892 Calibrated: 9/23/2013 Due: 9/23/2014	Humidity: 40% Nominal Ambient Temp: 72° F Immersion Depth: 24" tech: wc by: jd
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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
APPROVED SIGNATORY

Type: N Thermocouple

GRAPH DATA

VARIATION FROM TRUE TEMPERATURE

