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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-4786	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION	
			Point	FRONT	BACK	FRONT		BACK
Degree:	° F		32	32.1	32.1	-0.1	-0.1	-0.1
P.O. #:	2017044		200	199.7	199.8	0.3	0.2	0.2
Description: Type: N Thermocouple 22 ea. 1-14N1U1 10 ea. 1-20N1U1 18 ea. 1-18N1U1 10 ea. 1-32N1U1 10 ea. 1-36N1U1 20 ea. 1-48N1U1 4 ea. 1-50N1U1 4 ea. 1-66N1U1 2 ea. 1-96N1U1			400	399.9	400.0	0.1	0.0	0.0
			600	599.8	599.9	0.2	0.1	0.2
			800	799.6	799.6	0.4	0.4	0.4
			1000	1000.5	1000.4	-0.5	-0.4	-0.4
			1200	1200.7	1200.7	-0.7	-0.7	-0.7
			1400	1400.7	1400.8	-0.7	-0.8	-0.8
			1600	1600.8	1600.9	-0.8	-0.9	-0.8
			1800	1800.7	1800.9	-0.7	-0.9	-0.8
			2000	2001.5	2001.7	-1.5	-1.7	-1.6
			2200	2202.1	2202.2	-2.1	-2.2	-2.2
			2350	2352.5	2352.6	-2.5	-2.6	-2.6
Spool #	MG17471C							
Test Date:	6/15/2017							
Job #	196322							

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, GEOCORP QW-001-N

NIST SENSOR: 288994 Calibrated: 8/26/2016 Due: 8/26/2017 Type: S	Working Std: A-3892 Calibrated: 5/8/2017 Due: 5/8/2018 Type: S	Instrument: Keithley 2701 S/N: 1118487 Calibrated: 8/23/2016 Due: 8/23/2017	Humidity: 40% Nominal Ambient Temp 72° F Immersion Depth: 24" tech: bw 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

Mike Fries
 Mike Fries
 APPROVED SIGNATORY

Type: N Thermocouple

GRAPH DATA

VARIATION FROM TRUE TEMPERATURE

