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GeoCorp, Inc.

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Certificate of Calibration & Compliance For:
Accurate Calib & Repair Serv., Inc
1924 Pinnacle Dr
Aurora, IL 60502



NVLAP LAB CODE: 200496-0
 NVLAP is a U.S. Government entity
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 17025 Accredited Lab

Calibration #	P-7441	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			Point	FRONT	BACK	FRONT	
Degree: °	F						
		100	99.7	99.6	0.3	0.4	0.4
P.O. #:	344971	300	299.4	299.2	0.6	0.8	0.7
		500	499.1	498.9	0.9	1.1	1.0
Description: Type: N Thermocouple 24 EA 1-14N1U1 (1/16" X 14") 8 EA 1-20N1U1 (1/16" X 20") 6 EA 1-24N1U1 (1/16" X 24") 10 EA 1-32N1U1 (1/16" X 32") 10 EA 1-36N1U1 (1/16" X 36") 20 EA 1-48N1U1 (1/16" X 48") 2 EA 1-96N1U1 (1/16" X 96")		700	699.6	699.5	0.4	0.5	0.4
		900	899.5	899.6	0.5	0.4	0.4
		1100	1098.9	1099.1	1.1	0.9	1.0
		1300	1298.3	1298.4	1.7	1.6	1.6
		1500	1498.5	1498.3	1.5	1.7	1.6
		1700	1699.3	1699.1	0.7	0.9	0.8
		1900	1900.2	1900.1	-0.2	-0.1	-0.2
		2000	2000.9	2001.0	-0.9	-1.0	-1.0
		2100	2101.6	2101.8	-1.6	-1.8	-1.7
Spool #	MG12974C						
Test Date:	7/15/2015						
Job #	170411						

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-M

NIST SENSOR: 286134 Calibrated: 12/3/2014 Due: 12/3/2015 Type: S	Working Std: A-3639 Calibrated: 5/30/2015 Due: 5/30/2016 Type: S	Instrument: Keithley 2701 S/N: 1118487 Calibrated: 8/13/2014 Due: 8/13/2015	Humidity: 40% Nominal Ambient Temp 72° F Immersion Depth: 24" tech: wc by: ck
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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
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 APPROVED SIGNATORY

