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GeoCorp, Inc.

Cover Page

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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-1641	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION	
			Point	FRONT	BACK	FRONT		BACK
Degree: °	F							
		200	199.3	199.4	0.7	0.6	0.6	
P.O. #:	2017035	400	399.7	399.8	0.3	0.2	0.2	
		600	599.4	599.4	0.6	0.6	0.6	
Description: Type: N Thermocouple 12 ea. 2-12N1U1 (1/8" x 12") 4 ea. 2-18N1U1 (1/8" x 18") 4 ea. 2-24N1U1 (1/8" X 24") 8 ea. 2-30N1U1 (1/8" X 30") 25 ea. 2-36N1U1 (1/8" X 36")		800	798.6	798.5	1.4	1.5	1.4	
		1000	997.6	997.6	2.4	2.4	2.4	
		1200	1197.6	1197.8	2.4	2.2	2.3	
		1400	1397.0	1397.1	3.0	2.9	3.0	
		1600	1595.9	1596.0	4.1	4.0	4.0	
		1800	1795.1	1795.2	4.9	4.8	4.8	
		2000	1995.1	1995.0	4.9	5.0	5.0	
		2200	2194.2	2194.1	5.8	5.9	5.8	
		2300	2294.4	2294.2	5.6	5.8	5.7	
	Spool #	MG17156C						
Test Date:	3/23/2017							
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/NCSL 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-3857 Calibrated: 3/13/2017 Due: 3/13/2018 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: 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
 Noreen Roth
 APPROVED SIGNATORY

Type: N Thermocouple

GRAPH DATA VARIATION FROM TRUE TEMPERATURE

