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GeoCorp, Inc.

# Cover Page

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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 CALIB. & REPAIR SERV., 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 #	N-4154	Temperature	Reading		Correction		ASTM E29 AVG.
Degree:	° F	Point	FRONT	BACK	FRONT	BACK	CORRECTION
		100	100.3	100.2	-0.3	-0.2	-0.2
P.O. #:	34423	300	300.5	300.4	-0.5	-0.4	-0.4
		500	500.8	500.7	-0.8	-0.7	-0.8
Description: Type: N Thermocouple 4 ea 2-14N1U1 (1/8" x 14") 4 ea 2-18N1U1 (1/8" x 18")		700	700.6	700.5	-0.6	-0.5	-0.6
		900	899.9	899.9	0.1	0.1	0.1
		1100	1099.6	1099.5	0.4	0.5	0.4
		1300	1299.1	1299.1	0.9	0.9	0.9
		1500	1498.7	1498.5	1.3	1.5	1.4
		1700	1698.0	1697.8	2.0	2.2	2.1
		1900	1897.3	1897.1	2.7	2.9	2.8
		2000	1997.0	1996.8	3.0	3.2	3.1
Spool #	MG11615C						
Test Date:	7/19/2014						
Job #	155527						

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: 284567

Calibrated: 12/11/2013

Due: 12/11/2014

Type: S

Working Std: A-3516

Calibrated: 5/17/2014

Due: 5/17/2015

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

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**

