



Certificate of Calibration & Compliance For:
ILLIANA INSTRUMENTATION SERVICE
 1831 GOVERT DRIVE
 SCHERERVILLE, IN 46375



CALIBRATION
 NVLAP LAB CODE: 200496-0

GeoCorp, Inc.

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17025 Accredited Lab

1677

NVLAP is a U.S. Government entity
 administered by the NIST, an agency
 of the Department of Commerce.

Calibration #	Y-7241	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree: °	F	Point					
		32	32.2	32.3	-0.2	-0.3	-0.2
P.O. #:	3946	100	100.3	100.4	-0.3	-0.4	-0.4
		200	200.5	200.6	-0.5	-0.6	-0.6
Description:	Thermocouple Wire	400	400.8	400.9	-0.8	-0.9	-0.8
TYPE	K	600	601.0	601.1	-1.0	-1.1	-1.0
500'	K20-2-HG	800	801.3	801.4	-1.3	-1.4	-1.4
		1000	1001.9	1002.0	-1.9	-2.0	-2.0
		1200	1202.5	1202.6	-2.5	-2.6	-2.6
		1400	1402.9	1403.0	-2.9	-3.0	-3.0
		1600	1603.3	1603.4	-3.3	-3.4	-3.4
Spool #	GK90219-9-1						
Test Date:	3/12/2019						
Job #:	221364						

This Item meets ASTM E230 Special Limits Standard Limits New Calibration Recalibration

BAC 5621 L, Table V, +/- 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 L, Table V, 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 5621L (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-17, GEOCORP QW-001-O

NIST SENSOR: 292627 Calibrated: 12/21/2018 Due: 12/21/2019 Type: S	Primary Sensor: A-4106 Calibrated: 2/5/2019 Due: 2/5/2020 Type: S	Primary Inst: Keithley 2701 S/N: 4096981 Calibrated: 10/23/2018 Due: 10/23/2019	Humidity: 40% Nominal Ambient Temp: 72° F Immersion Depth: 24" tech: AG by: AG
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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

TYPE K Thermocouple Wire

