



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



CALIBRATION
NVLAP LAB CODE: 200496-0

1673

GeoCorp, Inc.
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 9010 River Road • Huron, Ohio 44839
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 17025 Accredited Lab

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

Calibration #	Y-4259	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree: °	F	Point	100	100.2	100.2	-0.2	-0.2
P.O. #:	3934	200	200.3	200.3	200.3	-0.3	-0.3
		400	400.5	400.6	400.6	-0.5	-0.6
Description:	Thermocouple Wire	600	600.4	600.4	600.4	-0.4	-0.4
TYPE	K	800	800.6	800.6	800.6	-0.6	-0.6
500'	K20-2-HC	1000	1001.1	1001.1	1001.1	-1.1	-1.1
		1200	1201.7	1201.8	1201.8	-1.7	-1.8
		1400	1402.3	1402.3	1402.3	-2.3	-2.3
		1600	1602.9	1602.9	1602.9	-2.9	-2.9
		1800	1802.6	1802.7	1802.7	-2.6	-2.7
		2000	2003.0	2003.1	2003.1	-3.0	-3.1
		2200	2203.6	2203.6	2203.6	-3.6	-3.6
		2300	2303.8	2303.9	2303.9	-3.8	-3.9
Spool #	GK81115-3-6AB						
Test Date:	12/21/2018						
Job #:	218329						

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: 290651 Calibrated: 1/4/2018 Due: 1/4/2019 Type: S	Primary Sensor: A-4088 Calibrated: 11/28/2018 Due: 11/28/2019 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
NOREEN ROTH
 APPROVED SIGNATORY

TYPE
K Thermocouple Wire

