



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



CALIBRATION
 NVLAP LAB CODE: 200496-0

GeoCorp, Inc.
 www.geocorpinc.com
 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 #	Z-8962	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree:	° F	Point					
		32	32.1	32.1	-0.1	-0.1	-0.1
P.O. #:	4042	100	100.3	100.3	-0.3	-0.3	-0.3
		200	200.1	200.1	-0.1	-0.1	-0.1
Description:	Thermocouple Wire	400	399.8	399.7	0.2	0.3	0.2
TYPE	K	600	600.4	600.3	-0.4	-0.3	-0.4
500'	K20-2-HG	800	801.2	801.0	-1.2	-1.0	-1.1
		1000	1002.0	1001.8	-2.0	-1.8	-1.9
		1200	1202.9	1202.8	-2.9	-2.8	-2.8
		1400	1402.3	1402.3	-2.3	-2.3	-2.3
		1600	1602.5	1602.4	-2.5	-2.4	-2.4
Spool #	GK91210-6-8						
Test Date:	1/22/2020						
Job #:	233316						

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, RRP 54000, PWA (F-40). Measurement results are traceable to standards maintained at the NIST. Test methods are per ASTM E220-19, ASTM E230/E230M-17, GEOCORP QW-001-O

NIST SENSOR: 292827 Calibrated: 11/22/2019 Due: 11/22/2020 Type: S	Primary Sensor: A-4216 Calibrated: 1/2/2020 Due: 1/2/2021 Type: S	Primary Inst: Keithley 2701 S/N: 1212892 Calibrated: 8/14/2019 Due: 8/14/2020	Humidity: 40% Nominal Ambient Temp 72° F Immersion Depth: 24" tech: BW by: BW Issue Date: 1/22/2020
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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

