



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

1676

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

Calibration #	Y-7292	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree: °	F	Point					
		100	99.9	99.9	0.1	0.1	0.1
P.O. #:	3946	200	200.1	200.1	-0.1	-0.1	-0.1
		400	399.5	399.5	0.5	0.5	0.5
Description:	Thermocouple Wire	600	599.8	599.9	0.2	0.1	0.2
TYPE	K	800	800.5	800.6	-0.5	-0.6	-0.6
500'	K20-2-HC	1000	1001.4	1001.4	-1.4	-1.4	-1.4
		1200	1202.2	1202.3	-2.2	-2.3	-2.2
		1400	1403.1	1403.3	-3.1	-3.3	-3.2
		1600	1603.3	1603.4	-3.3	-3.4	-3.4
		1800	1803.9	1804.1	-3.9	-4.1	-4.0
		2000	2004.8	2004.9	-4.8	-4.9	-4.8
		2200	2205.7	2205.9	-5.7	-5.9	-5.8
		2300	2306.2	2306.4	-6.2	-6.4	-6.3
Spool #	GK90116-8-7B						
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/NC SL 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-4119 Calibrated: 2/8/2019 Due: 2/8/2020 Type: S	Primary Inst: Keithley 2701 S/N: 1212892 Calibrated: 10/22/2018 Due: 10/22/2019	Humidity: 40% Nominal Ambient Temp: 72° F Immersion Depth: 24" tech: BW by: BW
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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

