



GeoCorp, Inc.

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17025 Accredited Lab

Certificate of Calibration & Compliance For:

ILLIANA INSTRUMENTATION SERVICE

1831 GOVÉRT DRIVE

SCHERERVILLE, IN 46375



CALIBRATION

NVLAP LAB CODE: 200496-0

1723

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

Calibration #	BB8343	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree: °	F	Point					
		32	32.0	32.1	0.0	-0.1	0.0
P.O. #:	4244	100	100.1	100.1	-0.1	-0.1	-0.1
		200	200.3	200.3	-0.3	-0.3	-0.3
Description:	Thermocouple Wire	400	400.8	400.8	-0.8	-0.8	-0.8
TYPE	K	600	601.0	601.1	-1.0	-1.1	-1.0
500'	K20-2-HG	800	800.5	800.6	-0.5	-0.6	-0.6
		1000	1001.0	1001.1	-1.0	-1.1	-1.0
		1200	1201.7	1201.8	-1.7	-1.8	-1.8
		1400	1402.5	1402.6	-2.5	-2.6	-2.6
		1600	1603.1	1603.2	-3.1	-3.2	-3.2
Spool Length:	500'						
Spool #	GK10921-6-11						
Test Date:	10/23/2021						
Job #:	254660						

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

BAC 5621 M, Table V +/- 2.0 °F (+/- 1.1 °C) to 1000 °F, +/- 0.4% above AMS 2750 F Noble Metal +/- 1.0 °F (+/- 0.6 °C) or +/- 0.1%

BAC 5621 M, Table V, FL 4 +/- 2.0 °F (+/- 1.1 °C) or +/- 0.4% AMS 2750 F Base Metal +/- 2.0 °F (+/- 1.1 °C) or +/- 0.4%

The calibrated equipment used for this test, listed below, is maintained in accordance with AMS 2750F, BAC 5621M (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: 0000034820 Calibrated: 7/29/2021 Due: 7/29/2022 Type: S	Primary Sensor: A-4356 Calibrated: 10/18/2021 Due: 10/18/2022 Type: S	Primary Inst: Keithley 2701 S/N: 1212892 Calibrated: 7/7/2021 Due: 7/7/2022	Humidity: 40% Nominal Ambient Temp: 72° F Immersion Depth: 24" tech: BW by: BW Issue Date: 10/23/2021
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Estimated uncertainty, k=2, 95 %

Thermocouple Type-K: -196 °C to < 0 °C = 0.71 °C; 0 °C to 1093 = 0.89 °C; >1093 °C to 1344 °C = 1.90 °C
OR -321 °F to < 32 °F = 1.28 °F; 32 °F to 1999 °F = 1.60 °F; > 1999 °F to 2451 °F = 3.42 °F

Thermocouple Type-N: -196 °C to < 0 °C = 0.71 °C; 0 °C to 1093 = 0.89 °C; >1093 °C to 1300 °C = 1.90 °C
OR -321 °F to < 32 °F = 1.28 °F; 32 °F to 1999 °F = 1.60 °F; > 1999 °F to 2372 °F = 3.42 °F

Thermocouple Type-J: -196 °C to < 0 °C = 0.70 °C; 0 °C to 760 °C = 0.88 °C
OR -321 °F to < 32 °F = 1.26 °F; 32 °F to 1400 °F = 1.58 °F

Noreen Roth
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APPROVED SIGNATORY

TYPE K Thermocouple Wire

