



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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ISO / IEC 17025 Accredited Lab

1757

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

Calibration #	BE4679	Temperature	Reading		Correction		AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree: °	F	Point					
		100	100.2	100.2	-0.2	-0.2	-0.2
P.O. #:	4475	200	200.4	200.4	-0.4	-0.4	-0.4
		400	400.9	400.8	-0.9	-0.8	-0.8
Description:	Thermocouple Wire	600	600.4	600.3	-0.4	-0.3	-0.4
TYPE	K	800	799.8	799.7	0.2	0.3	0.2
1000'	K20-2-HC	1000	1000.0	999.8	0.0	0.2	0.1
		1200	1200.6	1200.4	-0.6	-0.4	-0.5
		1400	1401.0	1400.9	-1.0	-0.9	-1.0
		1600	1600.8	1600.7	-0.8	-0.7	-0.8
		1800	1800.7	1800.5	-0.7	-0.5	-0.6
		2000	2001.2	2001.1	-1.2	-1.1	-1.2
		2200	2201.8	2201.7	-1.8	-1.7	-1.8
		2300	2302.2	2302.1	-2.2	-2.1	-2.2
Spool Length:	1000'						
Spool #	GK31204-1-6A						
Test Date:	1/4/2024						
Job #:	280552						

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 G 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 G 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 2750G, 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-P, ASTM E29

NIST SENSOR: 0000049061 Calibrated: 5/5/2023 Due: 5/5/2024 Type: S	Primary Sensor: A-4536 Calibrated: 12/7/2023 Due: 12/7/2024 Type: S	Primary Inst: Keithley 2701 S/N: 1212892 Calibrated: 7/7/2023 Due: 7/7/2024	Humidity: 40% Nominal Ambient Temp 72° F Immersion Depth: 24" tech: BW by: BW Issue Date: 1/4/2024
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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

