



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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 ISO / IEC 17025 Accredited Lab

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

Calibration #	BF1437	Temperature	Reading		Correction		AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree: °	F	Point					
		32	32.1	32.1	-0.1	-0.1	-0.1
P.O. #:	4532	100	100.0	100.0	0.0	0.0	0.0
		200	199.8	199.8	0.2	0.2	0.2
Description:	Thermocouple Wire	400	400.8	400.8	-0.8	-0.8	-0.8
TYPE	K	600	601.1	601.0	-1.1	-1.0	-1.0
1000'	K20-2-HG	800	801.9	801.8	-1.9	-1.8	-1.8
		1000	1002.0	1002.0	-2.0	-2.0	-2.0
		1200	1202.8	1203.0	-2.8	-3.0	-2.9
		1400	1403.4	1403.4	-3.4	-3.4	-3.4
		1600	1602.9	1603.0	-2.9	-3.0	-3.0
Spool Length:	1000'						
Spool #	GK40417-16-11						
Test Date:	7/25/2024						
Job #:	287168						

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 H 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 H 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 2750H, 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-23a, GEOCORP QW-001-P, ASTM E29

NIST SENSOR: 0000062307 Calibrated: 5/3/2024 Due: 5/3/2025 Type: S	Primary Sensor: A-4607 Calibrated: 5/21/2024 Due: 5/21/2025 Type: S	Primary Inst: Keithley 2701 S/N: 1118487 Calibrated: 7/2/2024 Due: 7/2/2025	Humidity: 40% Nominal Ambient Temp 72° F Immersion Depth: 24" tech: KZ by: KZ Issue Date: 7/25/2024
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Estimated uncertainty, k=2, 95 %
Thermocouple Type-K: -196 °C to <0 °C = 0.71 °C; 0 °C to 1093 °C = 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 °C = 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

Cheryl Stamps
NOREEN ROTH
 APPROVED SIGNATORY

