



GeoCorp, Inc.
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ISO / IEC 17025 Accredited Lab

Certificate of Calibration & Compliance For:
ACCURATE CALIB. & REPAIR SERV., INC.
1924 PINNACLE DR.
AURORA, IL 60502



CALIBRATION
NVLAP LAB CODE: 200496-0
NVLAP is a U.S. Government entity
administered by the NIST, an agency
of the Department of Commerce.

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Calibration #	BF1813	Temperature	Reading		Correction		AVG. CORRECTION	
			FRONT	BACK	FRONT	BACK		
Degree:	° F	Point	32	32.0	32.1	0.0	-0.1	0.0
P.O. #:	2432	200	200.2	200.3	-0.2	-0.3	-0.2	
		400	400.8	400.9	-0.8	-0.9	-0.8	
Description:	Thermocouple	600	601.1	601.2	-1.1	-1.2	-1.2	
Type:	N	800	800.7	800.9	-0.7	-0.9	-0.8	
4 EA.	2-32N1U1	1000	1001.3	1001.5	-1.3	-1.5	-1.4	
52 EA.	2-48N1U1	1200	1201.5	1201.6	-1.5	-1.6	-1.6	
8 EA.	2-50N1U1	1400	1401.6	1401.8	-1.6	-1.8	-1.7	
16 EA.	2-52N1U1	1600	1602.2	1602.4	-2.2	-2.4	-2.3	
16 EA.	2-66N1U1	1800	1802.8	1803.0	-2.8	-3.0	-2.9	
		2000	2003.5	2003.6	-3.5	-3.6	-3.6	
		2200	2204.0	2204.2	-4.0	-4.2	-4.1	
		2300	2304.2	2304.4	-4.2	-4.4	-4.3	
Spool Length:	2000'							
Spool #	MG27268C							
Test Date:	8/3/2024							
Job #:	287123							

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/INCSL 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: 000062307 Calibrated: 5/3/2024 Due: 5/3/2025 Type: S	Primary Sensor: A-4617 Calibrated: 7/1/2024 Due: 7/1/2025 Type: S	Primary Inst: Keithley 2701 S/N: 1212892 Calibrated: 7/2/2024 Due: 7/2/2025	Humidity: 40% Nominal Ambient Temp: 72° F Immersion Depth: 24" tech: BW by: TH Issue Date: 8/17/2024
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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

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APPROVED SIGNATORY

Type: **N Thermocouple**

