



GeoCorp, Inc.
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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 #	BD0258	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. #:	2246	200	200.5	200.4	-0.5	-0.4	-0.5
		400	401.2	401.1	-1.2	-1.1	-1.2
Description:	Thermocouple	600	600.7	600.6	-0.7	-0.6	-0.7
Type:	N	800	800.7	800.5	-0.7	-0.5	-0.6
14 EA.	1-20N1U1	1000	1001.5	1001.3	-1.5	-1.3	-1.4
4 EA.	1-24N1U1	1200	1201.1	1201.0	-1.1	-1.0	-1.1
2 EA.	1-30N1U1	1400	1401.2	1401.0	-1.2	-1.0	-1.1
6 EA.	1-48N1U1	1600	1602.0	1601.8	-2.0	-1.8	-1.9
8 EA.	1-50N1U1	1800	1802.7	1802.5	-2.7	-2.5	-2.6
4 EA.	1-66N1U1	2000	2003.4	2003.3	-3.4	-3.3	-3.4
		2200	2204.2	2204.1	-4.2	-4.1	-4.2
		2300	2304.5	2304.5	-4.5	-4.5	-4.5
Spool Length: 1914'							
Spool # MG25045C							
Test Date: 10/28/2022							
Job #: 267237							

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), ANS/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-17, GEOCORP QW-001-P

NIST SENSOR: 0000035278 Calibrated: 4/22/2022 Due: 4/22/2023 Type: S	Primary Sensor: A-4450 Calibrated: 10/6/2022 Due: 10/6/2023 Type: S	Primary Inst: Keithley 2701 S/N: 1212892 Calibrated: 7/1/2022 Due: 7/1/2023	Humidity: 40% Nominal Ambient Temp: 72° F Immersion Depth: 24" tech: BW by: EH Issue Date: 11/30/2022
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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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