



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.

J

Calibration #	BC7148	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree: °	F	Point					
		32	31.9	31.9	0.1	0.1	0.1
P.O. #:	2231	200	199.8	199.8	0.2	0.2	0.2
		400	400.5	400.4	-0.5	-0.4	-0.4
Description:	Thermocouple	600	601.0	600.9	-1.0	-0.9	-1.0
Type:	N	800	801.4	801.3	-1.4	-1.3	-1.4
26 EA.	1-14N1U1	1000	1001.6	1001.5	-1.6	-1.5	-1.6
10 EA.	1-18N1U1	1200	1202.2	1202.0	-2.2	-2.0	-2.1
2 EA.	1-20N1U1	1400	1402.7	1402.5	-2.7	-2.5	-2.6
14 EA.	1-24N1U1	1600	1603.1	1602.9	-3.1	-2.9	-3.0
10 EA.	1-32N1U1	1800	1803.5	1803.3	-3.5	-3.3	-3.4
8 EA.	1-36N1U1	2000	2003.4	2003.2	-3.4	-3.2	-3.3
6 EA.	1-48N1U1	2200	2202.8	2202.6	-2.8	-2.6	-2.7
2 EA.	1-86N1U1	2300	2302.4	2302.2	-2.4	-2.2	-2.3
Spool Length:	1802'						
Spool #	MG23968C						
Test Date:	7/26/2022						
Job #:	263325						

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%

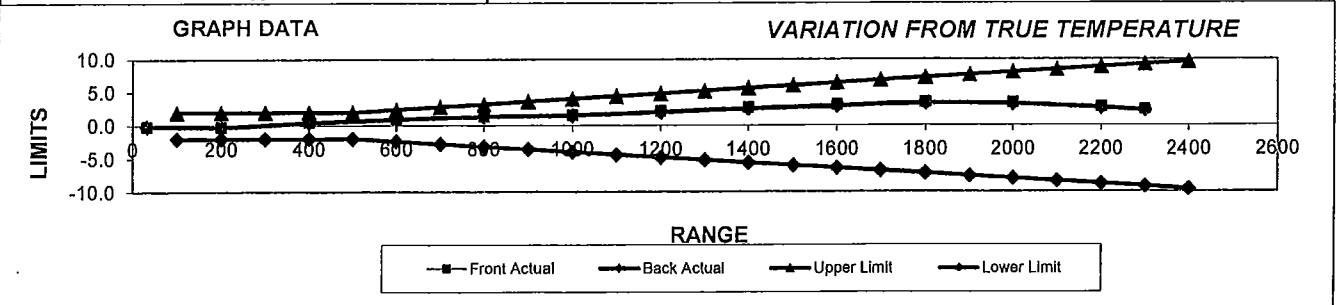
The calibrated equipment used for this test, listed below, is maintained in accordance with AMS 2750F, BAC 5621M (no PSD's), ANSI/NCSS Z540-3, ISO 10012, ISO/IEC 17025, RRP 54000, PWA (F-40). Measurement results are traceable to standards maintained at the NIST. Test methods are per ASTM E220-19, ASTM E230/E230M-17, GEOCORP QW-001-P

NIST SENSOR: 0000035278 Calibrated: 4/22/2022 Due: 4/22/2023 Type: S	Primary Sensor: A-4430 Calibrated: 7/19/2022 Due: 7/19/2023 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: LH Issue Date: 7/28/2022
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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 = 1.26 °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 = 1.26 °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
 NOREEN ROTH
 APPROVED SIGNATORY

Type:
 N Thermocouple



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GeoCorp, Inc. utilizes a simple decision rule unless otherwise specified, uncertainties are not included in the Pass/Fail determination.