



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.

Calibration #	BD9987	Temperature	Reading		Correction		AVG. CORRECTION
Degree: °	F	Point	FRONT	BACK	FRONT	BACK	
		32	31.9	32.0	0.1	0.0	0.0
P.O. #:	2346	200	200.0	200.1	0.0	-0.1	0.0
		400	400.6	400.7	-0.6	-0.7	-0.6
Description:	Thermocouple	600	600.3	600.4	-0.3	-0.4	-0.4
Type:	N	800	800.5	800.7	-0.5	-0.7	-0.6
26 EA.	1-14N1U1	1000	1001.2	1001.4	-1.2	-1.4	-1.3
10 EA.	1-18N1U1	1200	1201.9	1202.1	-1.9	-2.1	-2.0
2 EA.	1-20N1U1	1400	1402.2	1402.4	-2.2	-2.4	-2.3
14 EA.	1-24N1U1	1600	1602.3	1602.5	-2.3	-2.5	-2.4
10 EA.	1-32N1U1	1800	1802.8	1803.0	-2.8	-3.0	-2.9
8 EA.	1-36N1U1	2000	2003.4	2003.6	-3.4	-3.6	-3.5
6 EA.	1-48N1U1	2200	2204.0	2204.1	-4.0	-4.1	-4.0
8 EA.	1-50N1U1	2300	2304.2	2304.3	-4.2	-4.3	-4.2
2 EA.	1-86N1U1						
Pool Length:	1895'						
Pool #	MG26108C						
Test Date:	8/18/2023						
Job #:	277347						

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/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-4501 Calibrated: 7/20/2023 Due: 7/20/2024 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: SM Issue Date: 9/25/2023
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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  
APPROVED SIGNATORY

Type: **N Thermocouple**

