



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 #	Z-5509	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree: °	F	Point					
		32	32.0	31.9	0.0	0.1	0.0
P.O. #:	2019073	200	200.3	200.1	-0.3	-0.1	-0.2
		400	401.0	400.9	-1.0	-0.9	-1.0
Description:	Thermocouple	600	601.5	601.4	-1.5	-1.4	-1.4
Type:	N	800	801.4	801.2	-1.4	-1.2	-1.3
30 EA.	1-14N1U1	1000	1002.0	1001.8	-2.0	-1.8	-1.9
10 EA.	1-18N1U1	1200	1202.2	1202.1	-2.2	-2.1	-2.2
14 EA.	1-20N1U1	1400	1402.3	1402.2	-2.3	-2.2	-2.2
32 EA.	1-24N1U1	1600	1601.7	1601.7	-1.7	-1.7	-1.7
10 EA.	1-32N1U1	1800	1801.1	1801.2	-1.1	-1.2	-1.2
10 EA.	1-36N1U1	2000	2000.3	2000.4	-0.3	-0.4	-0.4
20 EA.	1-48N1U1	2200	2199.2	2199.4	0.8	0.6	0.7
4 EA.	1-86N1U1	2300	2298.6	2298.8	1.4	1.2	1.3
4 EA.	1-30N1U1						
4 EA.	1-60N1U1						
4 EA.	1-52N1U1						
4 EA.	1-62N1U1						
Spool #	MG20522C						
Test Date:	10/21/2019						
Job #:	231219						

This Item meets ASTM E230 Special Limits Standard Limits New Calibration Recalibration
 BAC 5621 L, Table V +/- 2 °F (+/- 1.1 °C) to 1000° F, +/- 0.4% above AMS 2750 E Noble Metal +/- 1° F (+/- 0.6 °C) or +/- 0.1%
 BAC 5621 L, Table V, FL 4 +/- 2 °F (+/- 1.1 °C) or +/- 0.4% AMS 2750 E Base Metal +/- 2° F (+/- 1.1 °C) or +/- 0.4%

The calibrated equipment used for this test, listed below, is maintained in accordance with AMS 2750E, BAC 5621L (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-O

NIST SENSOR: 292627 Calibrated: 12/21/2018 Due: 12/21/2019 Type: S	Primary Sensor: A-4175 Calibrated: 9/24/2019 Due: 9/24/2020 Type: S	Primary Inst: Keithley 2701 S/N: 1212892 Calibrated: 8/14/2019 Due: 8/14/2020	Humidity: 40% Nominal Ambient Temp: 72° F Immersion Depth: 24" tech: BW by: DF Issue Date: 11/19/2019
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Estimated uncertainty, k=2, 95%
 Thermocouple Types-K and N: -196° C to <0° C = .71° C; 0° C to 1093 = .89° C; >1093 to 1344 = 1.9° C
 Thermocouple Type-J: -196° C to <0° C = .70° C; 0° C to 760° C = .88° C

Noreen Roth
 NOREEN ROTH
 APPROVED SIGNATORY

