



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

Roy Halters Jr.

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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 #	Y-8751	Temperature	Reading		Correction		ASTM E29 AVG.
Degree:	° F	Point	FRONT	BACK	FRONT	BACK	CORRECTION
		32	31.9	31.9	0.1	0.1	0.1
P.O. #:	2019037	200	200.2	200.1	-0.2	-0.1	-0.2
		400	400.8	400.7	-0.8	-0.7	-0.8
Description:	Thermocouple	600	600.7	600.6	-0.7	-0.6	-0.6
Type:	N	800	800.7	800.5	-0.7	-0.5	-0.6
26 EA.	1-14N1U1	1000	1001.5	1001.4	-1.5	-1.4	-1.4
10 EA.	1-18N1U1	1200	1201.7	1201.6	-1.7	-1.6	-1.6
10 EA.	1-20N1U1	1400	1401.3	1401.1	-1.3	-1.1	-1.2
32 EA.	1-24N1U1	1600	1601.1	1600.9	-1.1	-0.9	-1.0
4 EA.	1-30N1U1	1800	1800.2	1800.0	-0.2	0.0	-0.1
10 EA.	1-32N1U1	2000	1999.1	1998.9	0.9	1.1	1.0
10 EA.	1-36N1U1	2200	2197.9	2197.7	2.1	2.3	2.2
16 EA.	1-48N1U1	2300	2297.3	2297.1	2.7	2.9	2.8
2 EA.	1-52N1U1						
4 EA.	1-60N1U1						
2 EA.	1-62N1U1						
4 EA.	1-86N1U1						
Spool #	MG19955C						
Test Date:	4/17/2019						
Job #	223011						

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, RPS 953, PWA (F-40). Measurement results are traceable to standards maintained at the NIST. Test methods are per ASTM E220-13, ASTM E230/E230M-17, GEOCORP QW-001-0

NIST SENSOR: 292627 Calibrated: 12/21/2018 Due: 12/21/2019 Type: S	Primary Sensor: A-4128 Calibrated: 3/25/2019 Due: 3/25/2020 Type: S	Primary Inst: Keithley 2701 S/N: 1212892 Calibrated: 10/22/2018 Due: 10/22/2019	Humidity: 40% Nominal Ambient Temp 72° F Immersion Depth: 24" tech: bw by: DF
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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

[Signature]
 NOREEN ROTH
 APPROVED SIGNATORY

Type: N Thermocouple

