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 #	Z-2826	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. #:	2019057	200	199.7	199.8	0.3	0.2		0.2
		400	400.3	400.4	-0.3	-0.4		-0.4
Description:	Thermocouple	600	600.1	600.1	-0.1	-0.1		-0.1
Type:	N	800	799.9	799.9	0.1	0.1		0.1
12 EA.	1-24N1U1	1000	1000.2	1000.2	-0.2	-0.2		-0.2
		1200	1199.9	1199.8	0.1	0.2		0.2
		1400	1399.4	1399.3	0.6	0.7		0.6
		1600	1598.7	1598.6	1.3	1.4		1.4
		1800	1797.8	1797.8	2.2	2.2		2.2
		2000	1997.0	1996.9	3.0	3.1		3.0
		2200	2196.0	2196.0	4.0	4.0		4.0
		2300	2295.6	2295.5	4.4	4.5		4.4
Spool #	MG20284C							
Test Date:	8/13/2019							
Job #:	228556							

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
☐ BAC 5621 L, Table V, FL 4 +/- 2 °F (+/- 1.1° C) or +/- 0.4%
☐ AMS 2750 E Noble Metal +/- 1° F (+/- 0.6 ° C) or +/-0.1%
☒ 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), ANSI/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 E220-13, ASTM E230/E230M-17, GEOCORP QW-001-O

NIST SENSOR: 292627	Primary Sensor: A-4164	Primary Inst: Keithley 2701	Humidity: 40% Nominal
Calibrated: 12/21/2018	Calibrated: 8/7/2019	S/N: 1212892	Ambient Temp: 72° F
Due: 12/21/2019	Due: 8/7/2020	Calibrated: 10/22/2018	Immersion Depth: 24"
Type: S	Type: S	Due: 10/22/2019	tech: BW by: TJ
			Issue Date: 9/16/2019

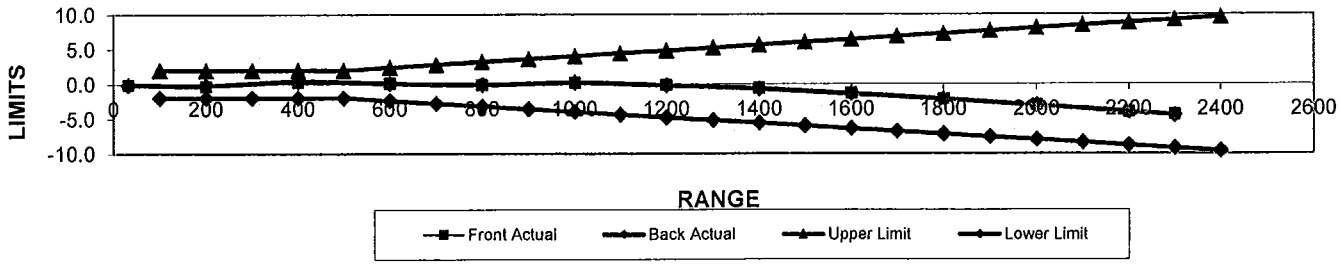
Estimated uncertainty, k=2, 95%
Thermocouple Types-K *and* N: -196° C to < 0° C = .71° C; 0° C to 1093 = .89° C; >1093 to 1344 = 1.9° C
Thermocouple Type-J: -196° C to < 0° C = .70° C; 0° C to 760° C = .88° C

NOREEN ROTH
APPROVED SIGNATORY

Type:
N Thermocouple

GRAPH DATA

VARIATION FROM TRUE TEMPERATURE



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