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 #	BA7894	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. #:	2020059	200	199.5	199.3	0.5	0.7		0.6
		400	398.9	398.7	1.1	1.3		1.2
Description:	Thermocouple	600	598.9	598.8	1.1	1.2		1.2
Type:	N	800	799.6	799.5	0.4	0.5		0.4
30 EA.	1-24N1U1	1000	1000.4	1000.3	-0.4	-0.3		-0.4
6 EA.	1-30N1U1	1200	1200.7	1200.5	-0.7	-0.5		-0.6
4 EA.	1-60N1U1	1400	1401.4	1401.2	-1.4	-1.2		-1.3
2 EA.	1-86N1U1	1600	1602.1	1601.9	-2.1	-1.9		-2.0
		1800	1802.8	1802.6	-2.8	-2.6		-2.7
		2000	2003.5	2003.4	-3.5	-3.4		-3.4
		2200	2204.0	2203.9	-4.0	-3.9		-4.0
		2300	2304.2	2304.2	-4.2	-4.2		-4.2
Spool Length:	1936'							
Spool #	MG21735C							
Test Date:	10/28/2020							
Job #:	243401							

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 F Noble Metal +/- 1° F (+/- 0.6 ° C) or +/-0.1%
☒ AMS 2750 F 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 2750F, 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 E220-19, ASTM E230/E230M-17, GEOCORP QW-001-O

NIST SENSOR: *0000001650*	Primary Sensor: A-4288	Primary Inst: Keithley 2701	Humidity: 40% Nominal
Calibrated: 10/2/2020	Calibrated: 10/22/2020	S/N: 1212892	Ambient Temp: 72° F
Due: 10/2/2021	Due: 10/22/2021	Calibrated: 7/8/2020	Immersion Depth: 24"
Type: *S*	Type: *S*	Due: 7/8/2021	tech: BW by: AH
			Issue Date: 11/17/2020

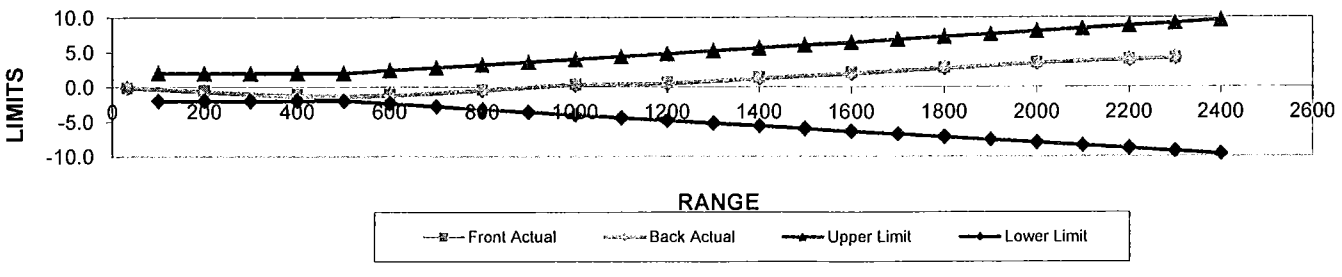
Estimated uncertainty, *k* =2, 95 %
Thermocouple Types-K *and* N: -196 °C to < 0 °C = 0.71 °C; 0 °C to 1093 = 0.89 °C; >1093 to 1344 = 1.9 °C
Thermocouple Type-J: -196 °C to < 0 °C = 0.70 °C; 0 °C to 760 °C = 0.88 °C

NOREEN ROTH
APPROVED SIGNATORY

Type:
N Thermocouple

GRAPH DATA

VARIATION FROM TRUE TEMPERATURE



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