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ISO / IEC 17025 Accredited Lab

Certificate of Calibration & Compliance For:
ILLIANA INSTRUMENTATION SERVICE
1831 GOVERT DRIVE
SCHERERVILLE, IN 46375

1756

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 #	BE4704	Temperature	Reading		Correction			AVG.
Degree: °	F	Point	FRONT	BACK	FRONT	BACK		CORRECTION
		100	99.9	99.8	0.1	0.2		0.2
P.O. #:	4475	300	300.2	300.1	-0.2	-0.1		-0.2
		500	499.5	499.4	0.5	0.6		0.6
Description:	Thermocouple Wire	700	699.8	699.7	0.2	0.3		0.2
TYPE	K	900	900.4	900.3	-0.4	-0.3		-0.4
1000'	K20-2-HG	1100	1100.7	1100.6	-0.7	-0.6		-0.6
		1300	1301.1	1301.0	-1.1	-1.0		-1.0
		1500	1501.3	1501.2	-1.3	-1.2		-1.2
		1600	1601.5	1601.4	-1.5	-1.4		-1.4
Spool Length:	1000'							
Spool #	GK31111-10-10							
Test Date:	1/5/2024							
Job #:	280552							

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
☐ BAC 5621 M, Table V, FL 4 +/- 2.0 °F (+/- 1.1 °C) or +/- 0.4%
☐ AMS 2750 G Noble Metal +/- 1.0 °F (+/- 0.6 °C) or +/-0.1%
☒ 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), 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-P, ASTM E29

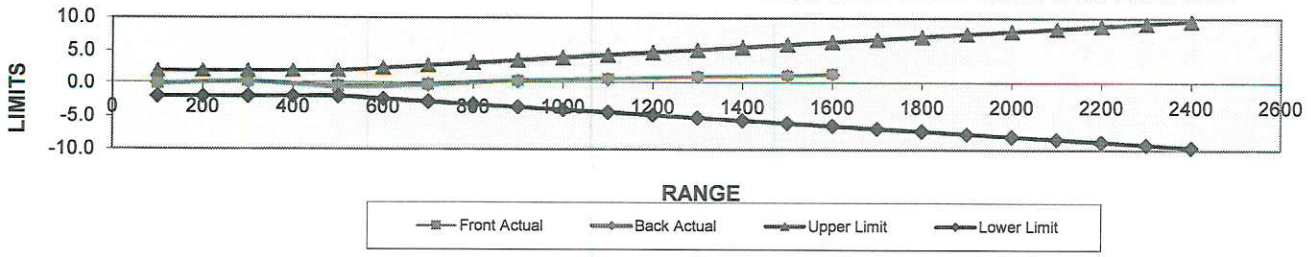
NIST SENSOR: *0000049061*	Primary Sensor: A-4535	Primary Inst: Keithley 2701	Humidity:	40% Nominal
Calibrated: 5/5/2023	Calibrated: 12/7/2023	S/N: 4096981	Ambient Temp	72° F
Due: 5/5/2024	Due: 12/7/2024	Calibrated: 7/7/2023	Immersion Depth:	24"
Type: *S*	Type: *S*	Due: 7/7/2024	tech: CT	by: CT
			Issue Date:	*1/5/2024*

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
K Thermocouple Wire

GRAPH DATA ***VARIATION FROM TRUE TEMPERATURE***



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