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Certificate of Calibration & Compliance For:
Accurate Calib. & Repair Serv., Inc.
 1924 Pinnacle Dr.
 Aurora, IL 60502



NVLAP LAB CODE: 200496-0
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 17025 Accredited Lab

Calibration #	K-4710	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			Point	FRONT	BACK	FRONT	
Degree: °	F						
		100	99.6	99.7	0.4	0.3	0.4
P.O. #:	344160	300	299.0	299.1	1.0	0.9	1.0
		500	498.4	498.5	1.6	1.5	1.6
Description:		700	698.2	698.3	1.8	1.7	1.8
Type: N Thermocouple		900	898.3	898.2	1.7	1.8	1.8
18 ea. 2-14N1U1 (1/8" x 14")		1100	1098.8	1098.6	1.2	1.4	1.3
10 ea. 2-24N1U1 (1/8" x 24")		1300	1299.2	1299.0	0.8	1.0	0.9
10 ea. 2-32N1U1 (1/8" x 32")		1500	1499.5	1499.4	0.5	0.6	0.6
16 ea. 2-36N1U1 (1/8" x 36")		1700	1699.2	1699.3	0.8	0.7	0.8
4 ea. 2-42N1U1 (1/8" x 42")		1900	1898.8	1898.9	1.2	1.1	1.2
4 ea. 2-48N1U1 (1/8" x 48")							
2 ea. 2-60N1U1 (1/8" x 60")							
Spool #	MG8651M						
Test Date:	1/4/2013						

This item meets ASTM E230 Special Limits Standard Limits New Calibration Recalibration

BAC 5621 K, Table IV +/- 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 K, Table IV, 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 5621K (no PSD's), ANS/NCSL Z540-1, ISO 10012, ISO 17025, RPS 953, PWA (F-40). Measurement results are traceable to standards maintained at the NIST. Test methods are per ASTM E220-07A, ASTM E230/E230M-11, GEOCORP QW-001-L

NIST SENSOR: 281831 Calibrated: 1/26/2012 Due: 1/26/2013 Type: S	Working Std: A-3378 Calibrated: 11/17/2012 Due: 11/17/2013 Type: S	Instrument: Keithley 2701 S/N: 1030819 Calibrated: 11/30/2012 Due: 11/30/2013	Humidity: 40% Nominal Ambient Temp 72° F Immersion Depth: 24" tech: by: jd
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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

Type: N Thermocouple

GRAPH DATA

VARIATION FROM TRUE TEMPERATURE

