



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



CALIBRATION  
 NVLAP LAB CODE: 200496-0

GeoCorp, Inc.

www.geocorpinc.com

9010 River Road ▪ Huron, Ohio 44839

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17025 Accredited Lab

ITEM 1655

NVLAP is a U.S. Government entity  
 administered by the NIST, an agency  
 of the Department of Commerce.

Calibration #	W-1569	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree:	° F	Point					
		100	100.5	100.6	-0.5	-0.6	-0.6
P.O. #:	3799	200	200.8	200.9	-0.8	-0.9	-0.8
		400	401.4	401.5	-1.4	-1.5	-1.4
Description: TYPE-K THERMOCOUPLE WIRE K20-2-HC 500'		600	600.8	601.0	-0.8	-1.0	-0.9
		800	800.3	800.4	-0.3	-0.4	-0.4
		1000	999.4	999.5	0.6	0.5	0.6
		1200	1199.3	1199.3	0.7	0.7	0.7
		1400	1399.3	1399.2	0.7	0.8	0.8
		1600	1600.0	1599.9	0.0	0.1	0.0
		1800	1800.9	1800.8	-0.9	-0.8	-0.8
		2000	2002.0	2001.8	-2.0	-1.8	-1.9
		2200	2203.2	2203.0	-3.2	-3.0	-3.1
		2300	2303.8	2303.6	-3.8	-3.6	-3.7
Spool #	GK71024-2-5A						
Test Date:	1/2/2018						
Job #:	203634						

This Item meets ASTM E230  Special Limits  Standard Limits  New Calibration  Recalibration  
 BAC 5621 L, 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 L, 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 5621L (no PSD's), ANSI/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-N

NIST SENSOR: 289919 Calibrated: 5/5/2017 Due: 5/5/2018 Type: S	Primary Sensor: A-3963 Calibrated: 12/5/2017 Due: 12/5/2018 Type: S	Primary Inst: Keithley 2701 S/N: 1030819 Calibrated: 7/31/2017 Due: 7/31/2018	Humidity: 40% Nominal Ambient Temp: 72° F Immersion Depth: 24" tech: BW by: BW
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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

*Curtis Templeton*  
**CURTIS TEMPLETON**  
 APPROVED SIGNATORY

**TYPE-K THERMOCOUPLE WIRE**

