



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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17026 Accredited Lab

ITEM 1736

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

Calibration #	BC6551	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree: °	F	Point					
		100	100.2	100.2	-0.2	-0.2	-0.2
P.O. #:	4313	200	200.4	200.4	-0.4	-0.4	-0.4
		400	400.3	400.2	-0.3	-0.2	-0.2
Description:	Thermocouple Wire	600	600.1	600.1	-0.1	-0.1	-0.1
TYPE	K	800	800.6	800.7	-0.6	-0.7	-0.6
1000'	K20-2-HC	1000	1001.2	1001.4	-1.2	-1.4	-1.3
		1200	1201.4	1201.6	-1.4	-1.6	-1.5
		1400	1401.9	1402.1	-1.9	-2.1	-2.0
		1600	1602.6	1602.8	-2.6	-2.8	-2.7
		1800	1803.4	1803.6	-3.4	-3.6	-3.5
		2000	2004.2	2004.4	-4.2	-4.4	-4.3
		2200	2205.0	2205.1	-5.0	-5.1	-5.0
		2300	2305.3	2305.4	-5.3	-5.4	-5.4
Pool Length:	1000'						
Pool #	GK20531-9-1B						
Test Date:	7/6/2022						
Job #:	262298						

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 AMS 2750 F Noble Metal +/- 1.0 °F (+/- 0.6 °C) or +/- 0.1%

BAC 5621 M, Table V, FL 4 +/- 2.0 °F (+/- 1.1 °C) or +/- 0.4% AMS 2750 F 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 2750F, BAC 5621M (no PSD's), ANS/INCSSL 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

NIST SENSOR: 0000034820 Calibrated: 7/29/2021 Due: 7/29/2022 Type: S	Primary Sensor: A-4407 Calibrated: 5/16/2022 Due: 5/16/2023 Type: S	Primary Inst: Keithley 2701 S/N: 1212892 Calibrated: 7/1/2022 Due: 7/1/2023	Humidity: 40% Nominal Ambient Temp 72° F Immersion Depth: 24" tech: BW by: BW Issue Date: 7/6/2022
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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
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 APPROVED SIGNATORY

TYPE
K Thermocouple Wire

