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GeoCorp, Inc.

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Certificate of Calibration & Compliance For:
ACCURATE CALIB. & REPAIR SERV., INC
 1925 PINNACLE DR.
 AURORA, IL 60502



CALIBRATION
NVLAP LAB CODE: 200496-0

GeoCorp, Inc.

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9010 River Road ▪ Huron, Ohio 44839

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17025 Accredited Lab

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

Calibration #	S-9714	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree:	° F	Point					
		200	200.1	200.1	-0.1	-0.1	-0.1
P.O. #:	2017015	400	400.8	400.8	-0.8	-0.8	-0.8
		600	601.2	601.1	-1.2	-1.1	-1.2
Description: TYPE-K THERMOCOUPLE WIRE K20-2-HR 1000'		700	700.8	700.7	-0.8	-0.7	-0.8
		800	801.0	800.9	-1.0	-0.9	-1.0
		900	901.4	901.3	-1.4	-1.3	-1.4
		1000	1001.9	1001.8	-1.9	-1.8	-1.8
		1100	1102.4	1102.3	-2.4	-2.3	-2.4
		1200	1203.0	1202.8	-3.0	-2.8	-2.9
		1400	1402.6	1402.4	-2.6	-2.4	-2.5
		1600	1603.0	1602.9	-3.0	-2.9	-3.0
		1800	1803.8	1803.8	-3.8	-3.8	-3.8
		2000	2004.6	2004.7	-4.6	-4.7	-4.6
		2100	2105.0	2105.2	-5.0	-5.2	-5.1
		2300	2305.9	2306.1	-5.9	-6.1	-6.0
Spool #	GK70107-4-1B						
Test Date:	2/6/2017						
Job #:	190906						

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), ANSI/NC SL 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-12, GEOCORP QW-001-N

NIST SENSOR: 288994 Calibrated: 8/26/2016 Due: 8/26/2017 Type: S	Working Std: A-3842 Calibrated: 1/13/2017 Due: 1/13/2018 Type: S	Instrument: Keithley 2701 S/N: 1118487 Calibrated: 8/23/2016 Due: 8/23/2017	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

[Signature]
NOREEN ROTH
 APPROVED SIGNATORY

TYPE-K THERMOCOUPLE WIRE

