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METROLOGY LABORATORY
5211 Industrial Road, Fort Wayne, IN 46825

REPORT OF CALIBRATION

Type S Thermocouple

S24R-19(1/2)-3

ITEM NO. 1206

Submitted By:
Illiana Instrumentation
Merrillville, IN 46410
USA

Tolerance:

S (32 to 2700 ± 2.7) °F or 0.25 %

ITEM	NOMINAL	DEVIATION
1	0 °F	-0.4 °F
	500 °F	-0.4 °F
	1000 °F	-1.1 °F
	1500 °F	-1.2 °F
	2000 °F	-1.8 °F

Notes: Estimated Uncertainty (k=2):
S (-40 to 230) °C = 0.69 °C
S (230 to 420) °C = 0.69 °C
S (420 to 1100) °C = 0.87 °C

Line item 1

The measured values are traceable to standards maintained by the National Institute of Standards and Technology (NIST) or have been derived from accepted values of natural physical constants, or by the ratio type of self calibration.

STANDARDS USED

ID Number	Manufacturer	Model Number	Description	Due Date
03-1238	KEITHLEY	2010	LOW-NOISE MULTIMETER	03/09/2012
03-2401	HART SCIENTIFIC	5626	IPRT WORKING STANDARD	09/14/2011
03-2864	PYROMATION	SPEC 621-00	TYPE S REFERENCE STANDARD	09/11/2011

Laboratory Environment:

Temperature: 24 °C
Relative Humidity: 48 %

Measurements performed by:

Kris St. Myers

Procedure Number: WI-525-37
As Found: Used
As Left: In Tolerance

PO Number: 2895
SO Number: 948666

Kristine St. Myers
Metrology Technician
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