

This certificate documents traceability to the National Institute of Standards and Technology (NIST) and the International System of Units (SI). The Laboratory quality system conforms to ISO/IEC 17025, 2005, ANSI/NCSL Z540-1-1994 and relevant requirements of the ISO 9000-2000 standard. This certificate shall not be reproduced, except in full, without the written approval of the Southwest Research Institute Calibration Laboratory. This certificate shall not be used to claim product endorsement by Southwest Research Institute, American Association for Laboratory Accreditation (A2LA) or any agency of the U. S. Government. Results of this calibration relate only to the instrument described above at the time of calibration and does not imply any long term stability of the instrument.

*Determined by the customer, does not imply the instrument will remain within tolerance as any number of factors may cause an out-of-tolerance condition before this date. **Found/Left = adjustment and/or repair was not required, As Left = adjusted and/or repaired was required. The client has sole responsibility for determination of in-/out-of-tolerance or compliance/noncompliance. See Remarks or attached Measurement Report with the same Work Order number for data.

Reported uncertainty calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM) and represents an expanded uncertainty with a coverage factor of k=2 to approximate a 95% confidence level. Remarks: Cal 900 to 1100°C

Standards Used

Asset No	. Serial No.	Manufacturer	Model	Description	Cal Due
010814	A44625	HART SCIENTIFIC	1529	THERMOCOUPLE THERMOMETER	Oct 16, 08
013617	9536	HART SCIENTIFIC	5650	THERMOCOUPLE	Dec 11, 08

Reviewed by: (

Measurements by: Bob Trollinger

Metrology Technician

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Southwest Research Institute Calibration Laboratory Measurement Report

Work Order:	303079292	Mfr:	Omega		Technician:	blt			
Asset No:	011117	Model:	Туре К						
Serial No:	11117	Type:	Thermocouple		Cal Date:	20-Feb-08			
Remarks:									
Limits are based on ASTM E230-02									
Function/Range	Test Point	TI Reading	Difference	+/-Limits	+/-Uncertainty	Found/Left			
Temperature	°C	°C	°C	°C	<u> </u>	Result			
·	901.257	900.9	0.322	6.8	0.79	Pass			
	1002.011	1000.1	1.874	7.5	0.79	Pass			
	1105.813	1102.4	3.436	8.3	0.79	Pass			
END OF REPORT									

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