

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. **Data type found in this certificate or attached measurement report must be interpreted as: Found-left - adjustment and/or repair was not performed, As-found - data is before unit is adjusted and/or repaired, As-left - data is after adjusted and/or repaired was performed. The customer has sole responsibility for determination of in-/out-of-tolerance or compliance/noncompliance.

Measurement uncertainty calculated in accordance with the method described in the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM), for a confidence level of approximately 95 percent using a coverage factor of k=2.

Remarks: None

Standards Used

<u>Asset #</u>	<u>Manufacturer</u>	Model	Description	<u>Cal Date</u>	Due Date
006404	THUNDER SCIENTIFIC	2500	HUMIDITY GENERATOR	27-May-2009	27-May-2010
009414	HART SCIENTIFIC	1502A	TEMPERATURE READOUT	13-Nov-2009	13-May-2010
015895	HART SCIENTIFIC	5618B	RTD	13-Nov-2009	13-May-2010

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Laboratory Manager m:\A2LA OCT_08.rpt

Mark Romero Metrology Technician

Barometer: N/A

Southwest Research Institute Calibration Laboratory Measurement Report

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Work Order: Asset No. Serial No.	303091648 009456 X2020010	009456 Model HM34C		Technician: Type Data: Cal Date:	Mark I Found 8-Dec		
Remarks:].)po.					
Function/Range	Test Point	TI Reading	Difference	+/-Limit	+/-Uncertainty	Result	: %Limit
Humidity	% RH	% RH	% RH	% RH	% RH		
at 20°C (68°F)	35.0	34.9	-0.1	3	0.68	Pass	4%
	50.0	49.1	-0.9	3	0.68	Pass	32%
	70.0	68.8	-1.2	3	0.68	Pass	43%
Temperature	°C	°C	°C	°C	°C		
at 35% RH	20.5	20.4	-0.1	0.7	0.13	Pass	11%
	24.8	24.7	-0.1	0.8	0.13	Pass	13%
	29.7	29.5	-0.2	0.9	0.13	Pass	22%
		END (DF REPORT				