	SOUTHWEST RESEA 6220 Culebra Road, P Institute Quali Institute Calibrati Phone: 210-522-5215 Certificate of	.O. Drawer 28510 ty Systems on Laboratory Fax 210-522-4834	ACCREDITED Certificate # 0972-01
Submitted By:	DIV20	Work Order: 303072	411
Address:	B57	Date Issued: Jan 18,	2007
Contact:	DON BANNON	Calibration Date: Jan 18,	2007
Manufacturer / Model:	FISHER SCIENTIFIC / 15-166A	*Calibration Due: Jul 18, 2	2007
Description:	THERMOMETER, GLASS	Calibration Location: Bldg. 64	
Serial No:	A2000-130	Environment: Temp. 7	
Asset No:	008109	**Data Type: FOUND	
Procedure:	THERMOMETERS, GLASS - 11 SEP 2006	DivID/Location: N/A	
quality system conforms to IS be reproduced, except in full, product endorsement by South of this calibration relate only t	ceability to the National Institute of Standards and Tec O/IEC 17025, 2005, ANSI/NCSL Z540-1-1994 and re without the written approval of the Southwest Research west Research Institute, American Association for Lat o the instrument described above at the time of calibra	levant requirements of the ISO 9000-2000 standard. T a Institute Calibration Laboratory. This certificate sha poratory Accreditation (A2LA) or any agency of the U tion and does not imply any long term stability of the	This certificate shall not all not be used to claim . S. Government. Results instrument.
this date. **Found/Left = adju	does not imply the instrument will remain within toler istment and/or repair was not required, As Left = adjust erance or compliance/noncompliance. See Remarks of	sted and/or repaired was required. The client has sole	responsibility for

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: +/- 1°C

Standards Used

Asset No.	Serial No.	Manufacturer	Model	Description	Cal Due
009137	A21208	HART SCIENTIFIC	1575	SUPER THERMOMETER	Jun 27, 07
010281	0421	HART SCIENTIFIC	5628	SPRT	Jun 24, 08

Reviewed by: blt () jrg pwc() wgh Metrology Technician m:\a2la1.rpt Rev date August 15, 2005

Measurements by: Bob Trollinger Metrology Technician

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Southwest Research Institute Calibration Laboratory Measurement Report

Work Order: Asset No:	303072411 008109	Mfr: Model:	Fisher Scientific 15-166A		Technician:	blt
Serial No:	A2000-130	Type:	THERMOMETER		Cal Date:	18-Jan-07
Remarks:	Accuracy Refe	erecnce ANSI Z2	236.1-1983			
Function/Range	Test Point	TI Reading	Difference	+/-Limit	+/-Uncertainty	Found/Left
Temperature	°C	°C	°C	°C	°C	Result

Temperature	°C	°C	°C	O°	°C	Result
	-19.84	-20.0	-0.16	0.5	0.29	Pass
	0.08	0.1	0.0	0.5	0.29	Pass
	50.02	50.0	0.0	0.5	0.29	Pass
	99.93	100.0	0.1	0.5	0.29	Pass
	149.99	150.0	0.0	0.5	0.29	Pass
		END O	F REPORT			

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