R			6220 Culebra Road, P.C Institute Quality Institute Calibration Phone: 210-522-5215 F	Systems 1 Laboratory ax 210-522-4834	ACCREDITED Calibration Laboratory		
	®		Certificate of C	Calibration	Certificate #0972-01		
	Submitted By:	DIV20 Work Order: 303078293					
	Address:			Date Issued: Jan	11, 2008		
	Contact:	DON BANNON		Calibration Date: Jan			
Manu		FISHER SCIENTIFIC / 14-983-10B		*Calibration Due: Jul 11, 2008			
	-	THERMOMETER, GLASS		Calibration Location: Bldg. 64			
	Serial No:				p. 73.0°F Hum. 40 %RH		
	Asset No: Procedures	THERMOMETERS, G		**Data Type: FOU DivID/Location: N/A			
quality s be reprod product of of this ca *Determ	ystem conforms to IS duced, except in full, endorsement by South libration relate only t ined by the customer,	O/IEC 17025, 2005, ANSI/ without the written approva invest Research Institute, Ar o the instrument described does not imply the instrum	NCSL Z540-1-1994 and rele I of the Southwest Research nerican Association for Labo above at the time of calibration ent will remain within toleration	nology (NIST) and the International System of L vant requirements of the ISO 9000-2000 standar Institute Calibration Laboratory. This certificate ratory Accreditation (A2LA) or any agency of th on and does not imply any long term stability of nce as any number of factors may cause an out-co	d. This certificate shall not e shall not be used to claim ne U. S. Government. Results the instrument. of-tolerance condition before		
determin	ation of in-/out-of-tol	erance or compliance/nonce	ompliance. See Remarks or a	ed and/or repaired was required. The client has a attached Measurement Report with the same Wo of Uncertainty in Measurement" (GUM) and rep	rk Order number for data.		
	ity with a coverage fa	ctor of $k=2$ to approximate					
Standar	rds Used						
Asset No.	Serial No.	Manufacturer	Model	Description	Cal Due		
009137	A21208	HART SCIENTIFIC	1575	SUPER THERMOMETER	Jun 17, 08		
Metrolog	I by: () wgh (/) sr y Technician of Rev date August 15, 20	K () jrg () blt () pwc		Measurements by Bob Troll Metrology Technician	Page 1 of 1		

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Southwest Research Institute Calibration Laboratory Measurement Report

Work Order:	303078293	Mfr.	Ifr. Fisher-Scientific		Technician	blt			
Asset No.	012609	Model	14-983-10B						
Serial No.	12609	Туре.	THERMOMETER		Cal Date.	11-Jan-08			
Remarks:	emarks: No accuracy is provided by manufacturer. +/- 1 Degree C resolution is used								
as the accuracy specifi	cation.								
		TOTAL	IMMERSION						
Function/Range	Test Point	TI Reading	Difference	+/-Limit	+/-Uncertainty	Found/Left			
Temperature	°C	°C	°C	°C	°C	Result			
	-19.66	-20.5	-0.8	1.0	0.58	Pass			
	0.16	0.5	0.3	1.0	0.58	Pass			
	50.13	50.5	0.4	1.0	0.58	Pass			
	105.95	105.0	-1.0	1.0	0.58	Pass			
		END (OF REPORT						

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