<u> </u>	· · · · · · · · · · · · · · · · · · ·							
R	SOUTHW	EST RESEAR 6220 Culebra Road, P.O. Institute Quality S Institute Calibration I Phone: 210-522-5215 Fax	ystems Laboratory	ACCREDITED				
	®	Certificate of Ca	ertificate of Calibration					
	ed By: DIV20		Work Order: 303080489					
	ldress: B51		Date Issued: Apr 16, 2008					
	ontact: DON BANNON		Calibration Date: Apr 16, 2008					
	Model: BIOS / DCL-M		*Calibration Due: Apr 16, 2009					
	iption: FLOW METER ial No: 1098		Calibration Location: Bldg. 64 Environment: Temp. 68.0°F Hum. 43 %RH					
	set No: 011734		**Data Type: FOUND-LEFT					
	edure: FLOW, GAS - 17 OC	Т 07	DivID/Location: N/A					
			ogy (NIST) and the International System of U	-				
product endorsement b of this calibration relat *Determined by the cu this date. **Found/Le determination of in-/ou Reported uncertainty c uncertainty with a cove Remarks: STP 70 De	by Southwest Research Institute, A the only to the instrument describe estomer, does not imply the instru- ft = adjustment and/or repair was ut-of-tolerance or compliance/nor calculated in accordance with the erage factor of k=2 to approximate	American Association for Laborat d above at the time of calibration ment will remain within tolerance not required, As Left = adjusted acompliance. See Remarks or atta ISO "Guide to the Expression of	titute Calibration Laboratory. This certificate ory Accreditation (A2LA) or any agency of the and does not imply any long term stability of e as any number of factors may cause an out- and/or repaired was required. The client has ached Measurement Report with the same Wo Uncertainty in Measurement" (GUM) and rep M, and 4.0LPM	he U. S. Government. Results the instrument. of-tolerance condition before sole responsibility for ork Order number for data.				
Standards Used								
Asset No. Serial No. 007502 1124	Manufacturer SIERRA	Model 101 Cal Bench	Description GAS FLOW CALIBRATION SYST	Cal Due EM Nov 30, 08				
()	A4 (, A			A				
Reviewed by: (v) srk	() mar () wgh		Measurements by 196 Greag	rey				
			Metrology Technician					
m:\a2la1.rpt Rev date Augu	ust 15, 2005			Page 1 of 1				

Southwest Research Institute Calibration Laboratory Measurement Report

Work Order:	303080489	Mfr.	Bios	·····	Technician	JRG
Asset No.	011734	Model	DCL-M			
Serial No.	1098	Туре.	Flow Meter		Cal Date.	16-Apr-08
Remarks:		Pm=	740.39	mmHg	Pressure In	30 PSI
STP 70 Deg F		Tc=	20			
29.92 InHg		K=	21.111	Accuracy=	2	% Rdg
Function/Range	Test Point	TI Reading	Difference	+/-Limit	+/-Uncertainty	Found/Left
L/Min	L/Min	L/Min	L/Min	L/Min	L/Min	Result
	0.101	0.101	0.00	0.00	0.0084	Pass
	0.302	0.302	0.00	0.01	0.0084	Pass
	1.007	1.009	0.00	0.02	0.0084	Pass
	2.490	2.494	0.00	0.05	0.0084	Pass
	4.010	4.008	0.00	0.08	0.0084	Pass
END OF REPORT						

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