SOUTHWEST RESEARCH INSTITUTE CALIBRATION LABORATORY MEMORANDUM

June 11, 2008

To: DON BANNON DIV20 B51

From: Institute Calibration Laboratory

Subject: Status of Calibration Supplier

Manufacturer/Model: OMEGA 044-013786-02

Description: THERMOCOUPLE

Serial Number: 12767 Asset Number: 012767

Work Order Number: 303081004

Date Calibrated: June 3, 2008

Supplier: BROADVIEW INST. VIEW OH - A2LA - 800-547-8570

Remarks: CAL'D @ 900, 1000, 1100° C

Supplier is on the Approved Suppliers List (ASL).

() Supplier is <u>not</u> on the Approved Suppliers List.

(Calibration is ISO 17025 accredited.

() Calibration is not ISO 17025 accredited.

() There is no known supplier to meet ISO 17025 accreditation at this time.

Please contact the Institute Calibration Laboratory, extension 5215, if you have any questions about the condition of this equipment or calibration documentation.

Attachment(s)

Reviewed by: () srk (/ mar () wgh

m:\nonasl2.rpt Rev Nov. 15, 2005

Page 1 of 1 BROADVIEW INSTRUMENTATION SERVICES, INC.



CERTIFICATE OF CALIBRATION

Calibration Certificate #2046.01

10048		7632B Hub Parkway	Valley View, OHI		216-525-0050
	NAME:	SOUTHWEST RE	SEARCH INSTITUTE	PURCHASE OR.	
	ADDRESS:	6220 CULEBRA		LABOR	
	CITY/STATE:	SAN ANTONIO	TX	MATERIAL	
	ZIP:	78238		TOTAL COST	\$0.00
	CONTACT:	CYNTHIA LUNA		ON-SITE	No
REC'D CO	ND.	Within Spec		RETURNED	Within Spec
MANUFAC	TURER:	Omega		CAL. DATE	3-Jun-08
MODEL:		TYPE U	'ERATURE INDICA	CAL DUE:	3-Jun-09
SERIAL / A	ASSET:	12767	\	TEMP/ RH%	23.9°C / 49.4%
		AS FOUND	% DEVIATION	AS LEFT	Uncertainty(k=2)
°C			±.5°C		unc. °C
	895.40	894.93	-0.47	894.93	0.58
	996.60	996.54	-0.06	996.54	0.58
	1100.10	1099.61	-0.49	1099.61	0.58
		1000.01	0.10	1000.01	
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EQUIPMENT USED IN CALIBRATION:			BIS TEST REPORT NO:	396023111	
QC#	Manufacture		Date Due		ation: This calibration
"				•	ng an unbroken chain
493	FLUKE	525	18-Dec-08	of standards to Nat	_
100	LONE	020	10 500 00	Standards and Tecl	
				Otaridarus arid 1601	
					1. Minor
Cuctors	opprovol:	Davieus d D	[H	Metrologist:	1 1/1
Customer approval: Reviewed By: Metro All equipment used for this calibration is traceable to National Standards (e.g. NIST). Calibration meets ISO/IEC 17025, T					Jeff Pais
		raceable to National Standards (e 1 (at k=2, 95% confidence interva	- '		of standards utilized for calibration
					tion before the recommended due
While the calibration due date is recommended, the client is advised that any number of factors may cause the item to drift out of calibration before the recommended due date expires. It is the responsibility of the client to monitor the calibration status while using the equipment					

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