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: 12768
Asset Number: 012768
Work Order Number: 303081003
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 not 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) 1

Reviewed by: ( ) srk (✓) mar ( ) wgh

BROADVIEW INSTRUMENTATION SERVICES, INC.

ACCREDITED

CERTIFICATE OF CALIBRATION

Calibration Certificate #2046.01

10048 7632B Hub Parkway Valley View, OHIO 44125 216-525-0050

NAME:	SOUTHWEST RESEARCH 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 COND.	Within Spec	RETURNED	Within Spec
MANUFACTURER:	Omega	CAL. DATE	3-Jun-08
MODEL:	TYPE U 'ERATURE INDICA	CAL DUE:	3-Jun-09
SERIAL / ASSET:	12768	TEMP/ RH%	23.9°C / 49.3%

°C	AS FOUND	% DEVIATION	AS LEFT	Uncertainty(k=2) unc. °C
895.40	895.63	0.23	895.63	0.58
996.60	996.51	-0.09	996.51	0.58
1100.10	1100.24	0.14	1100.24	0.58

EQUIPMENT USED IN CALIBRATION:

QC#	Manufacturer	Model	Date Due
493	FLUKE	525	18-Dec-08

BIS TEST REPORT NO: 396020000

Traceability information: This calibration was conducted using an unbroken chain of standards to National Institute of Standards and Technology.

Customer approval: Reviewed By: Metrologist: ***Jeff Pais***

All equipment used for this calibration is traceable to National Standards (e.g. NIST). Calibration meets ISO/IEC 17025, The Uncertainty of standards utilized for calibration meet a Test Uncertainty Ratio (TUR) of 4:1 (at k=2, 95% confidence interval) or better unless otherwise stated.

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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