

CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

NONCONFORMANCE REPORT

Project No. 20.06002.01.322

NCR No. 2005-05

PART 1: DESCRIPTION OF NONCONFORMANCE:

Weight (Model: Troemner 200g, Serial Number: 63813, Asset Number: 004199) was found to be out of tolerance during a normally scheduled calibration.

Initiated by: Darrell S. Dunn

Date: 3/22/2005

PART 2: PROPOSED DISPOSITION AND CORRECTIVE ACTION

Disposition:

No measurements are affected by this out of tolerance condition .

Basis of Disposition:

The weight is used to periodically check analytical balances in the corrosion laboratory. The balances are not calibrated using this weight. Calibration of the balances is performed by SwRI Calibration Laboratory Staff using multiple NIST traceable weights.

Action to Correct Nonconformance:

The weight will be removed from the calibration recall list and will not be used to perform periodic checks of the analytical balances.



Target date for completion: 4/11/2005


Proposed by: Darrell S. Dunn

Date: 3/22/2005

PART 3: APPROVAL

Element Manager: 

Date: 3/22/2005

Director of QA: 

Date: 3/22/2005

Comments/Instructions:

PART 4: CLOSE OUT

The weight has been removed from service and from the "active" SwRI Calibration laboratory recall list. The weight is now identified as being "inactive". No further action is required. (See attached SwRI Cal. Lab. assets list.)

Distribution:

Verified by:  Date: 4/25/05

SOUTHWEST RESEARCH INSTITUTE
CALIBRATION LABORATORY
MEMORANDUM

September 22, 2004

To: DARRELL DUNN DIV20 B57

From: Walt Hill, Metrology Group Leader
Institute Calibration Laboratory

Subject: Status of Calibration Supplier

Manufacturer/Model: TROEMNER 200G

Description: WEIGHT, CLASS 1

Serial Number: 63813

Asset Number: 004199

Work Order Number: 444060610

Date Calibrated: September 21, 2004

Supplier: RICE LAKE WEIGHING SYSTEMS, RICE LAKE WI - NVLAP - 71:

Remarks: 200.193 grams Unc=0.042.

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 notify the Institute Calibration Laboratory, extension 5215, of any discrepancies with the item or calibration documentation.

Attachment(s) 2

SOUTHWEST RESEARCH INSTITUTE

6220 CULEBRA ROAD • POST OFFICE DRAWER 28510 • SAN ANTONIO, TEXAS, 78228-0510 • TEL (210) 522-5215 • FAX (210) 522-369

To: Darrel Dunn, Div 20, Ext 6090

From: Walt Hill, Metrology Group Leader
Institute Calibration Laboratory

Date: Sep. 21, 2004

Subject: Out-of-tolerance Notice

The purpose of this notice is to alert you of a condition, which may have caused erroneous measurements affecting safety or the quality of products or services your organization provides. The attached as-found readings are provided for your evaluation to determine if the instrument listed below had an impact and if further action is required.

When the as-found results are near the specification limit, +/- a margin less than the measurement uncertainty, it is not possible to state in-tolerance or out-of-tolerance with a 95% level of confidence. It is the Institute Calibration Laboratory policy that the client is made aware of this situation because the end-user is taking some of the risk that the instrument listed below may not meet the end-user measurement requirements.

Your review/evaluation should be conducted in accordance with your organizational quality policy and procedural requirements. If we can be of further assistance, please contact the Calibration Laboratory at 522-5215.

Manufacturer: Troemner **Model:** 200G

Description: Weight Class 1 **Serial Number:** 63813

Asset Number: 4199 **User ID Number:**

Last Calibration: Sep 15, 2003

Date Received for Service: Sep. 02, 2004 **Work Order Number:** 444060610

Service Requested: Scheduled calibration

Remarks: Out of tol. See Data Sheet

OUT OF TOLERANCE

TMAP Traceable Calibration REPORT

Contractor: Southwest Research Institute
 PO Box 28510
 San Antonio, TX 78228 0510

Purchase Order #: 480916ROM
Client: Southwest Research Institute
Address: 6220 Culebra Road

City & State: San Antonio, TX 78238 5100
Date Received: 10 SEP 2004
Date Calibrated: 14 SEP 2004
Temperature Range: 21.71 °C
Pressure Range: 727.0 mmHg
Relative Humidity Range: 44 %
Air Density: 1.1401 mg/cm³
Traceable Report #: 1002324
NIST Certificate #: 822/266926-02
Tested By: 06
Procedure: Mass Dissemination (reference HB 952)
Contractor Req Recall Date:
Primary Standard Calibration Date: 05/02/02 **Due:** 05/02/06
Description of Weights: 200g Class 1 Satin Finish Wt, S/N 63813



Nominal Value	Id.	Conventional Mass Corr.		Unc. ¹ K=2 (mg)	Tol. (mg)	Balance Used	Standard Set Used Calibrated/due MM-DD-YY/MM-DD-YY	Assumed Density (g/cm ³)
		As Found (mg)	As Left (mg)					
200 g	63813	0.193	0.193 *	0.042	0.50	672Q	L595Q 07-06-04/10-06-04	8.00

¹ Uncertainties apply to As Left values only

This report contains data not covered by the NVLAP Accreditation if the box is checked.

Check with your local state agency for certification of compliance on legal-for-trade items.

Prepared By:



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* Although this test weight has been tested for the tolerance of the class for which it was submitted, it does not meet all the requirements for that class.

Dated 14 SEP 2004

[Signature]
Authorized Signatory

Rice Lake Weighing Systems is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the specific scope of accreditation under Lab Code 105001. This report is not to be used to claim product endorsement by Rice Lake Weighing Systems, NVLAP or any agency of the U.S. Government. This document shall not be reproduced, except in full, without the written approval of Rice Lake Weighing Systems' Metrology Laboratory. For ASTM Class 4, 5, 6, 7 and NIST F the noted uncertainty does not include a component for magnetic properties or handling and use.

PN 64784 8/03

003247	DARRELL DUNN	KESSLER	ASTM 1C	THERMOMETER	115749	I
003248	DARRELL DUNN	KESSLER	ASTM 1C 76MM	THERMOMETER	115814	I
003778	DARRELL DUNN	KESSLER	ASTM 82C	THERMOMETER	32922	I
004092	DARRELL DUNN	PROTO	6104	TORQUE SCREWDRIVER	314047	I
004199	DARRELL DUNN	TROMNER	200G	WEIGHT, CLASS 1	63813	I
004313	DARRELL DUNN	KEITHLEY	6517	ELECTROMETER	0599913	I
004987	DARRELL DUNN	FISHER SCIENTIFIC	15-166A	THERMOMETER	C96-616	I
004989	DARRELL DUNN	FISHER SCIENTIFIC	15-166A	THERMOMETER	C96-649	I
004992	DARRELL DUNN	FISHER SCIENTIFIC	15-166A	THERMOMETER	C96-727	I
004994	DARRELL DUNN	FISHER SCIENTIFIC	15-166A	THERMOMETER	C96-784	I
004996	DARRELL DUNN	FISHER SCIENTIFIC	15041C	THERMOMETER	9253474	I
005434	DARRELL DUNN	FISHER SCIENTIFIC	15-166A	THERMOMETER	C96-783	I
007168	DARRELL DUNN	FISHER SCIENTIFIC	15-166A	THERMOMETER	C98-101	I
007298	DARRELL DUNN	FISHER SCIENTIFIC	15-166A	THERMOMETER	H98-149	I
007299	DARRELL DUNN	FISHER SCIENTIFIC	15-166A	THERMOMETER	H98-168	I
007300	DARRELL DUNN	FISHER	15-166A	THERMOMETER	H98-180	I

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