

CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

NONCONFORMANCE REPORT

Project No. 20-5708-571

NCR No. 96-9

PART 1: DESCRIPTION OF NONCONFORMANCE

The Sartorius Balance Model RC210P, S/N 10704379, was found out of tolerance when recalibrated. The impact of the out-of-tolerance condition must be evaluated on all measurements made with this instruments since its last calibration on May 14, 1996.

Initiated by: R. D. Brient *RDB*

Date: 11/13/96

PART 2: PROPOSED DISPOSITION AND CORRECTIVE ACTION (N. Sridhar/D. Dunn)

Disposition: AS INDICATED IN NCR 95-05 AN ASTM CLASS 1 CALIBRATION WEIGHT WAS PURCHASED TO VERIFY THE PERFORMANCE OF THE SARTORIUS BALANCE. THE OUT OF TOLERANCE CONDITION WAS DISCOVERED AS A RESULT OF A PERIODIC PERFORMANCE CHECK. MAXIMUM ERROR WAS LESS THAN 1.0 mg WHICH WILL NOT SIGNIFICANTLY IMPACT MEASUREMENTS MADE WHILE
Basis of Disposition: SCALE WAS OUT OF TOLERANCE

SINCE SCALE OPERATORS HAVE A MEANS TO VERIFY PERFORMANCE OF BALANCE OUT OF TOLERANCE CONDITIONS CAN BE QUICKLY IDENTIFIED & REPORTED

Action to correct nonconformance:

CONTINUE TO CHECK PERFORMANCE OF BALANCE USING PROCEDURES OUTLINED IN NCR 95-05. BALANCE WILL BE SERVICED BY SARTORIUS

Target date for completion: 11/27/96

Proposed by: DARRELL DUNN

Date: 11/14/96

PART 3: APPROVAL

Element Manager: *N. Sridhar* Date: 11/15/96

Director of QA: *Deanne Malinski* Date: 11/18/96

Comments/Instructions:

BASED ON THE FACT THAT NO TESTS WERE AFFECTED BY THIS CONDITION, I AM ACCEPTING THE PROPOSED DISPOSITION. DS

PART 4: CLOSE OUT

Comments:

Discussions held with D. Dunn 11/18/96.

Distribution:

- QA Records / QA Director
- D. Dunn
- N. Sridhar
- B. Sagar / H. Garcia
- R. Brient / Originator

Verified by: *Deanne Malinski*

Date: 11/18/96



Southwest Research Institute
 6220 Culebra Road
 San Antonio, TX 78238
 Department of Quality Assurance
 Calibration Laboratory

QA
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Certificate of Calibration

11 November 1996 *SEM*

Issued to: DARRELL DUNN DIV20 B57
 Manufacturer/Model: SARTO RC21OP
 Description: ELECTRONIC BALANCE
 Serial Number: 10704379
 Asset Number: 002029

Environmental Conditions

Temperature: 71.0 Humidity: 56%

Calibration Information

Calibration was in accordance with requirements of MIL-STD-45662A and ANSI/NC SL Z540-1-1994. Measurements are traceable to the National Institute of Standards and Technology (NIST). This report may not be reproduced except in full without written approval of the originator. Inspection and test data are on file and available for inspection.

Calibration Date: 1 Nov 96 Calibration Procedure: 33K6-4-41-1
 Interval: 6 months Accuracy: MFGR SPECS
 Next Calibration Due: 1 May 97 Received: Out of Tolerance

Remarks: LIMITED CAL TO 0.50MILLIGRAMS DUE TO CORNER LOAD

Out of Tolerance Data

This unit was found to be in an Out of Tolerance condition, as indicated below. An evaluation should be made by the user to determine any adverse impact that may have occurred.

Out of Tolerance Date: 1 Nov 96 Last Valid Calibration Date: 14 May 96

STANDARD MASS	AS FOUND	AS RELEASED
200 GRAMS	199.99925*	200.00000
100 GRAMS	99.99964*	100.00002
1 GRAM	0.99990*	1.00001

*NOTES OUT OF TOLERANCE.
 CORNERLOAD WAS ALSO OUT OF TOLERANCE.
 CORNERLOAD RESULTS WAS A \pm 0.55 MILLIGRAMS WITH 200 GRAMS. TOLERANCE FOR THIS TEST IS ONLY 0.25 MILLIGRAMS. LINEARITY TOLERANCE IS 0.15 MILLIGRAMS AND REPRODUCIBILITY IS 0.15 MILLIGRAMS FOR 200G, 0.12 MILLIGRAMS FOR 100G AND 0.06 MILLIGRAMS FOR 1G.

Certificate # 23196

Signed: *[Signature]*
 Checked by: *[Signature]*

Certificate of Calibration

11 November 19

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