

**GEOSCIENCES AND ENGINEERING DIVISION
NONCONFORMANCE REPORT**

Project No. OHD20.131

NCR No. 2007-10

PART 1: DESCRIPTION OF NONCONFORMANCE

Sartorius 3808-MP8 Balance (s/n 390330006, AN001444) was out of tolerance per SwRI Calibration Laboratory. Unit fails linearity in some ranges.

Initiated by: Don Bannon

Date: May 11, 2007

Action Required by: Donald Hooper

Response Due Date: May 25, 2007

PART 2: PROPOSED DISPOSITION AND CORRECTIVE ACTION

Disposition: The Sartorius balance (s/n 390330006) used in Building 57 for sieving Sunset Crater samples was recently determined to be out of tolerance over a portion of its measurement range by SwRI Calibration Laboratory personnel. The calibration period of interest for this balance is approximately November 2006 to May 2007. The balance failed linearity tests for measurements greater than 12,000 grams.

Accept data as is. Re-calibrated 6/1/07

Basis of Disposition: Equipment is periodically calibrated (QAP-019) by the SwRI Calibration Laboratory in accordance with its ISO 17025 accredited system. The Sartorius balance was determined to be out of tolerance because the unit failed linearity in some measurement ranges. Upon completion of the testing, a calibration certificate was given to the Division equipment custodian.

See below - out of tolerance did not affect range when data was collected per spec 6/1/07

Action to Correct Nonconformance: The Sartorius balance has been re-calibrated and is within tolerance (work order # 303074325). The balance was not used within the range having improper tolerance. The maximum mass measured by staff during laboratory sieving analyses was approximately 500 grams, well within the range having correct tolerance. Therefore, measurement quality was not affected.

Target date for completion: June 1, 2007

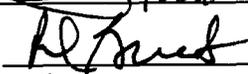
Proposed by: Donald Hooper

Date: May 23, 2007

PART 3: APPROVAL

Manager: 

Date: 5/31/2007

Director of QA: 

Date: 6/1/2007

Comments/Instructions:

PART 4: CLOSE OUT

Comments: None

Distribution:

Original-QA Records

ORIGINATOR

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Verified by: 

Date: 6/1/07