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Weights & Measures Metrology Laboratory
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Receipt Date: December 19, 2011
Test Date: December 20, 2011
Report Date: December 20, 2011

State Test No.: 328678
Set Serial No.: 2-4__ & CE1

Calibration Report

HAWKEYE STATE SCALE
5040 BLAIRS FOREST WAY NE
CEDAR RAPIDS, IOWA 52402
Contact: JOHN FISHBECK
Phone: 319-364-4173
PO Number: none
SOP: 12
Technician ID: 2

Item(s) Submitted: Cast hand weights
Manufacturer: Unknown & Fairbanks
ASTM E617 Type: II
Equipment ID#: None
Condition: Fair
Temperature: 19.9°C
Pressure: 739.2 mmHg
Relative Humidity: 46. %

Nominal Value	Serial No.	Correction (mg)		ASTM E617 Class		Unc. (mg) (k=2)
		As Found	As Left	As Found	As Left	
5 lb	2-43	256.	256.	7	7	9.
10 lb	2-42	1504.	952.	*	7	13.
10 lb	CE1	-445.	-445.	7	7	13.

Not for use on commercial scales.

* Weight(s) as found exceed largest ASTM Tolerance Class.

The resulting tolerance class of the weight is determined by combining the correction of the weight and the uncertainty of the measurement. The corrections given above correlate to a conventional mass scale versus 8.0 g/cm³ density and an air density of 1.2 mg/cm³. The items listed above have been compared to the Standards of the State of Minnesota which are currently in control. These standards are traceable to the National Institute of Standards and Technology (NIST) through NIST Test Number 822/277846-09 and/or 822/263029-00. Calibration processes were monitored and found to be in control. Uncertainty calculations conform to NIST Technical Note 1297. Results apply to items identified in this report only.

Bruce Adams

Bruce Adams
Metrologist

Reviewed by:

Nils Fleming

Nils Fleming
Approved Signatory

