



Weights & Measures Metrology Laboratory
 14305 Southcross Drive #150
 Burnsville, MN 55306-7008
 651.215.5821 FAX 952.435.4040 TTY 952.435.4045

Receipt Date: December 19, 2011
 Test Date: December 20, 2011
 Report Date: December 20, 2011

State Test No.: 328671
 Set Serial No.: none
now HSS MC

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: Plated mild steel weights AVDP
 Manufacturer: Toledo
 ASTM E617 Type: II
 Equipment ID#: None
 Condition: Poor to Very Poor
 Temperature: 19.8°C
 Pressure: 739.3 mmHg
 Relative Humidity: 46. %

Nominal Value	lb/oz	Serial No.	Correction (mg)		ASTM E617 Class		Unc. (mg) (k=2)
			As Found	As Left	As Found	As Left	
10	lb	4.55	-131.	-131.	5	5	13.
10	lb	4.56	67.	67.	5	5	13.
5	lb	4.57	11.	11.	4	4	9.
.2	lb	4.58	-36.	-36.	6	6	4.5
2	lb	4.59	-28.	-28.	6	6	4.5
1	lb	4.60	-36.	-36.	7	7	4.2
1	lb	4.61	-50.	-50.	7	7	4.2
1	lb	4.62	-16.	-16.	6	6	4.2
8	oz	4.63	-23.	-23.	7	7	4.1
4	oz	4.64	-90.02	-90.02	7	7	0.061

Not for use on commercial scales.

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

 Metrologist

 NVLAP LAB CODE 105003

Reviewed by:
 Nils Fleming

 Approved Signatory

Accredited by the National Voluntary Laboratory Accreditation Program for the specific scope of accreditation under lab code 105003. This report may not be used to claim product endorsement by NVLAP or any other government agency, and may not be reproduced except in full, without written approval from the laboratory.