

South Dakota Department of Public Safety
Office of Weights and Measures
Metrology Lab

Lab: 1500 N Garfield - E. Truck Bypass Phone: 605-773-3170
Office: 118 West Capitol Avenue Phone: 605-773-3697
Pierre SD 57501



REPORT OF CALIBRATION

LAB TEST NUMBER: MP3707
DATE OF REPORT: 04/26/2017
DATE RECEIVED: 04/24/2017
DATE OF TEST: 04/26/2017

Submitted By: CompuCom Systems- Tim Rouse
Contact: Penni Beall
Mailing Address: 7171 Forest Ln.
City, State, Zip: Dallas, TX 75230
Phone: 855-341-1579
S/A Number:

Standards Submitted:

1 - 7 piece avoirdupois kit SN 5M4P

Uncertainty Statement: The combined standard uncertainty includes the standard uncertainty reported for the standard and the standard uncertainty for the measurement process. The combined standard uncertainty is multiplied by a coverage factor k to provide an expanded uncertainty which defines an interval having a level of confidence of approximately 95 percent. The expanded uncertainty presented in this report is consistent with the 1995 ISO/IEC Guide to the Expression of Uncertainty in Measurement. The expanded uncertainty is not to be confused with a tolerance limit for the user during application.

Traceability statement:

The Standards of the SD Metrology Laboratory used for comparison are traceable to the International System of Units (SI) through the National Institute of Standards and Technology. The laboratory test number identified above is the unique report number to be used in referencing measurement traceability for artifacts identified in this report only.

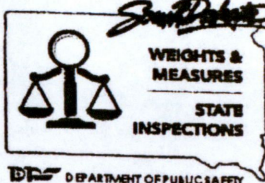
This document does not represent or imply endorsement by NIST Office of Weights and Measures or any agency of the State and/or national governments. The reported test values relate only to the observations made at the time and conditions of the test. This report may not be reproduced, except in full without the written approval of this laboratory. The client must not use this document to claim product endorsement by this laboratory.


Ron Peterson, Metrologist



04/26/17
Date

Office of Weights and Measures
118 W. Capitol Ave
Pierre, SD 57501



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Submitted by:	CompuCom Systems- Tim Rouse	Report Number:	MP3707
Mailing Address:	7171 Forest Ln.	Date Received:	04/24/17
City, State, Zip:	Dallas, TX 75230	Date tested:	04/26/17
Artifacts Submitted	16 piece Avoirdupois kit SN 5M4P	Condition of Weights:	NEW
Test Method Used:	SOP 8/ MODIFIED SUB, Jun 2015	Temperature (c):	21.5
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Humidity:	41%
		Pressure (mm/Hg):	710.4

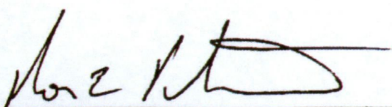
Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight.

Standards Used: SD Lab Working Standards.

The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in the uncertainties.

Nominal	Identifier	Correction As Found	Correction As Left	Tolerance Class F	Uncertainty	k
10 lb		157 mg	157 mg	450 mg	55 mg	2.05
10 lb	.	127 mg	127 mg	450 mg	55 mg	2.05
5 lb		98 mg	98 mg	230 mg	28 mg	2.04
2 lb		36 mg	36 mg	91 mg	11 mg	2.05
2 lb	.	48 mg	48 mg	91 mg	11 mg	2.05
1 lb		24.6 mg	24.6 mg	70 mg	8.5 mg	2.04
8 oz		18.1 mg	18.1 mg	45 mg	5.6 mg	2.04

End of Report



Ron Peterson, Metrologist

04/26/2017
Date of Report

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Metrological Traceability For:

South Dakota

This laboratory has demonstrated evidence of an unbroken chain of metrological traceability of its standards to the international system of units (SI), documented measurement uncertainties, uses documented measurement procedures, successfully completed training and proficiency tests, documented calibration intervals, submitted a quality management system, and demonstrated suitable measurement assurance for the Scope listed on this certificate.

The Office of Weights and Measures Program assesses laboratories to NIST Handbook 143 - Program Handbook for State Weights and Measures Laboratories and ISO/IEC 17025:2005.

Scope

- Mass Echelon III
- 30 kg to 100 mg
- 1000 lb to 0.001 lb
- 8 oz to 0.03125 oz
- Weight Carts
- 4000 lb to 2000 lb
- Volume Transfer, II
- 5 gal



2017

A handwritten signature in black ink, appearing to read "Georgia L. Harris".

Georgia L. Harris, Acting Chief
NIST Office of Weights and Measures

Effective Dates: 2017-01-01 to 2017-12-31