



APPLICATION FOR REGISTRATION AS A REGISTERED SERVICE COMPANY

Public Service Commission
SFN 51277 (2/2014)



TYPE OR PRINT - AN INCOMPLETE OR ILLEGIBLE APPLICATION WILL BE REJECTED

Name of Company Capital Scale Co.	Email Address capscale@midco network.com	Application Date 12/1/16	
Mailing Address 3021 Valley Forge St.	City Bismarck	State ND	Zip Code 58503
Telephone Number 701-255-1556	Cell Phone Number	Fax Number 701-255-3512	

Select below all device types your company will certify:

Scales (include maximum capacity, if applicable)	Liquid (include maximum flow rate, if applicable)
<input checked="" type="checkbox"/> 1. Rail <input checked="" type="checkbox"/> 2. Truck <input checked="" type="checkbox"/> 3. Livestock <input checked="" type="checkbox"/> 4. Hopper: Max. Capacity: <u>N/A</u> <input type="checkbox"/> 5. Belt <input checked="" type="checkbox"/> 6. Over 30 lbs.: Max. Capacity: <u>N/A</u> <input checked="" type="checkbox"/> 7. 30 lbs. or less <input type="checkbox"/> 8. Class II (indicate on your calibration report which weight kit is Class II certified) <input type="checkbox"/> 9. Other: Please List:	<input type="checkbox"/> 1. Retail Fuel (less than 20 gal. per minute) <input type="checkbox"/> 2. High Flow Retail Fuel (20 gal. per minute or greater) <input type="checkbox"/> 3. Vehicle Tank: Max. Flow Rate: _____ <input type="checkbox"/> 4. Stationary Bulk (fuel or oil): Max. Flow Rate: _____ <input type="checkbox"/> 5. LPG <input type="checkbox"/> 6. Stationary LPG <input type="checkbox"/> 7. Fertilizer: Max. Flow Rate: _____ <input type="checkbox"/> 8. Chemical <input type="checkbox"/> 9. Anhydrous <input type="checkbox"/> 10. Loading Rack <input type="checkbox"/> 11. Other: Please List:

List below all persons employed by your company as a North Dakota Registered Service Person and the device types they are registered to certify (attach a separate sheet to list additional employees):

Permit No.	Employee	Device Types Registered to Certify (list using device type numbers from above)
e.g. 1001	e.g. John Doe	e.g. Scales - 2, 3, 6, 8; e.g. Liquid - 1, 2, 6
	Mike Kennedy	Scales 1, 2, 3, 4, 6, & 7
	Lyn Kennedy	↓
	Traavis Will	
	Cody Varrina	
	Lucas Torgerson	



List below all field standards (attach current calibration reports):

4) 2000# Weight Carts	
36) 1000# test Weights	
88) 50# test weights	
5) Avoidupois Weight kits	
3) Metric Weight Kits	

Additional Application Items (initial where appropriate):

Standardized Test Report	<input type="checkbox"/> Copy enclosed <input checked="" type="checkbox"/> No change in report filed previously
Tested and Approved Sticker	<input type="checkbox"/> Copy enclosed <input checked="" type="checkbox"/> No change in sticker filed previously
Photocopy of Crimped Lead Wire Seal	<input type="checkbox"/> Copy enclosed <input checked="" type="checkbox"/> No change in crimped lead wire seal filed previously

Public Company Listing:

Include my company information on your registered service company list for public contact.
 Yes No

I am Meghan Will-VP, and have authority to represent this company.
 By signing this application, I declare that I have examined this form and accompanying documentation, and to the best of my knowledge and belief, the facts stated and documentation provided is true, correct, and complete.

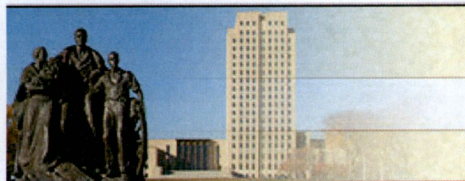
Meghan Will
Signature

Send Completed Application and Related Documents To:

Public Service Commission
600 E Boulevard Ave Dept 408
Bismarck ND 58505-0480
Telephone: (701) 328-2400
Fax: (701) 328-2410

North Dakota

nd.gov Official Portal for North Dakota State Government



SECRETARY OF STATE NORTH DAKOTA



[Home](#) | [Business Records Search](#)

CAPITAL SCALE COMPANY

Corporation Details

System ID: 6494400 **Phone:** (701) 255-1556
Type: BUSINESS CORPORATION
Status: Active & Good Standing
Original File Date: 01/03/1994 **Effective Date:** 01/03/1994
State of Origin: North Dakota

Nature of Business

SCALE INSTALLATION AND SERVICE

Principal Office

3021 VALLEY FORGE DR BISMARCK, ND 58503-0790

Registered Agent

MICHAEL R KENNEDY
3021 VALLEY FORGE DR
BISMARCK, ND 58503-0790
Established Date: Sep 14, 2016

Authorized Shares

Class	Number	Par Value
	1000.000000	\$100.000000

Generate an Annual Report To File

To Generate a Annual Report form to be filed with the Secretary of State, select the appropriate year of the report you intend to file. This report does not contain details of a report previously filed with the Secretary of State. The annual report years reflected are an indication of the various report forms available in this site and is not an indication that an entity needs to file reports for all years. Missing years indicate that the forms for the missing year have not yet been deployed to the website, or have already been removed, and can be obtained by contacting the Secretary of State.

[2016](#) (generates a forms-fillable pdf in a new pop-up window)

[Return to Search Results](#)

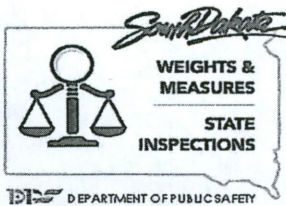
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We use Secure Sockets Layer (SSL) encryption technology to ensure your information is secure and protected.

Will open a new window (pop-up).

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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: MP3418
DATE OF REPORT: 01/25/2016
DATE RECEIVED: 01/20/2016
DATE OF TEST: 01/21-25/2016

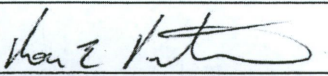
Submitted By: Capitol Scale
Contact: Travis Will
Mailing Address: 3021 Valley Forge St
City, State, Zip: Bismarck, ND 58503
Phone: 701-255-1556
S/A Number: 61

- Standards Submitted:**
- 80 - 50 lb test weights
 - 20 - 1000 lb test weights
 - 2 - 2000 lb carts
 - 8 - weight kits

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.

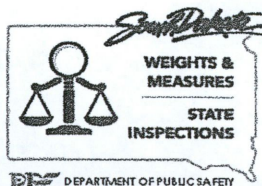
Traceability statement:
The Standards of the SD Metrology Laboratory used for comparison are traceable to the International System of Units (SI) through the National Institute of Standards and Technology. The laboratory test number identified above is the unique report number to be used in referencing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



1/25/16
Date



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

Submitted by:	Capitol Scale	Report Number:	MP3418
Mailing Address:	3021 Valley Forge St	Date Received:	01/20/16
City, State, Zip:	Bismarck, ND 58503	Date tested:	01/21/16
Manufacturer:	Unknown	Condition of Cart:	GOOD
Serial Number:	Unknown	Temperature (c):	20.0
Test Method Used:	SOP 33 Calibrations of Weight Carts, Sep 2014	Humidity:	40.0%
Nominal (lb):	2000	Pressure (mm/Hg):	723.0
Tolerance (lb):	0.50		

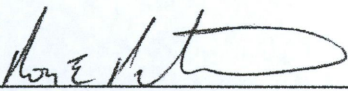
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory.

As Found (lb)	As Left (lb)	Uncertainty-lb. (K=2)
-11.35	-0.03	0.21

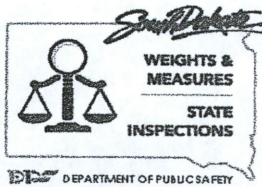
The weight cart was allowed to come to environmental equilibrium in the laboratory prior to calibration. The weight cart was adjusted, as needed and noted above, as close as possible to zero error. All fluid levels must be maintained as close to reference levels as possible during use. Any maintenance, repairs or damage to weight cart or its components will likely result in an out-of-tolerance condition; therefore, maintenance or replacement of components such as batteries, tires, filters, etc. will require calibration of the weight cart prior to subsequent use.

Test equipment used include recently calibrated weights and a Sartorius PR 6246/33 load cell.

The above weight cart was compared with standards of the State of South Dakota, which are traceable the National Institute of Standards and Technology(NIST) Weights and Measures Division. The assigned test number provides documented evidence for measurement traceability.


 Ron Peterson, Metrologist

01/25/2016
 Date of Report



South Dakota Department of Public Safety
Office of Weights and Measures
Metrology Lab
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 Office: 118 West Capitol Avenue Phone: 605-773-3697
 Pierre SD 57501

Submitted by:	Capitol Scale	Report Number:	MP3418
Mailing Address:	3021 Valley Forge St	Date Received:	01/20/16
City, State, Zip:	Bismarck, ND 58503	Date tested:	01/21/16
Manufacturer:	Unknown	Condition of Cart:	GOOD
Serial Number:	541094	Temperature (c):	20.0
Test Method Used:	SOP 33 Calibrations of Weight Carts, Sep 2014	Humidity:	40.0%
Nominal (lb):	2000	Pressure (mm/Hg):	723.4
Tolerance (lb):	0.50		

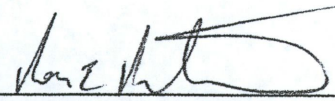
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory.

As Found (lb)	As Left (lb)	Uncertainty-lb. (K=2)
-4.20	-0.04	0.21

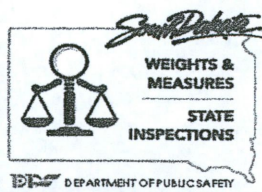
The weight cart was allowed to come to environmental equilibrium in the laboratory prior to calibration. The weight cart was adjusted, as needed and noted above, as close as possible to zero error. All fluid levels must be maintained as close to reference levels as possible during use. Any maintenance, repairs or damage to weight cart or its components will likely result in an out-of-tolerance condition; therefore, maintenance or replacement of components such as batteries, tires, filters, etc. will require calibration of the weight cart prior to subsequent use.

Test equipment used include recently calibrated weights and a Sartorius PR 6246/33 load cell.

The above weight cart was compared with standards of the State of South Dakota, which are traceable the National Institute of Standards and Technology(NIST) Weights and Measures Division. The assigned test number provides documented evidence for measurement traceability.


 Ron Peterson, Metrologist

01/25/2016
 Date of Report



**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

Submitted by:	Capitol Scale	Report Number:	MP3418
Mailing Address:	3021 Valley Forge St	Date Received:	01/20/16
City, State, Zip:	Bismarck, ND 58503	Date tested:	01/21/16
Artifacts Submitted	20 - 1000 lb test weights	Condition of Weights:	GOOD
		Temperature (c):	20.9
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	49.5
Equipment Used:	Russell Balance/ Vaisala PTU301	Pressure (mm/Hg):	727.7

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

Standards Used: SD Lab 1000 lb and/or 500 lb Working Standards.

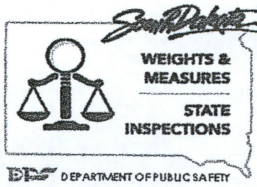
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in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

A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	K		
1000 lb	13.10	-0.023 lb	-10.6 g	45 g	6.8 g	2.03		
1000 lb	13.11	-0.027 lb	-12.4 g	45 g	6.8 g	2.03		
1000 lb	13.12	-0.062 lb	-28.1 g	-0.001 lb	-0.4 g	45 g	6.8 g	2.03
1000 lb	13.13	-0.024 lb	-11.1 g	45 g	6.8 g	2.03		
1000 lb	13.14	-0.050 lb	-22.6 g	45 g	6.8 g	2.03		
1000 lb	13.15	-0.044 lb	-20.2 g	45 g	6.8 g	2.03		
1000 lb	13.16	-0.048 lb	-21.7 g	45 g	6.8 g	2.03		
1000 lb	13.17	-0.032 lb	-14.4 g	45 g	6.8 g	2.03		
1000 lb	13.18	-0.011 lb	-4.9 g	45 g	6.8 g	2.03		
1000 lb	13.19	-0.055 lb	-25.1 g	0.002 lb	1.1 g	45 g	6.8 g	2.03
1000 lb	13.20	-0.029 lb	-13.1 g	45 g	6.8 g	2.03		
1000 lb	13.21	-0.084 lb	-38.1 g	-0.001 lb	-0.5 g	45 g	6.8 g	2.03
1000 lb	13.22	-0.017 lb	-7.5 g	45 g	6.8 g	2.03		
1000 lb	13.23	0.002 lb	1.0 g	45 g	6.8 g	2.03		
1000 lb	13.24	-0.077 lb	-35.0 g	0.001 lb	0.3 g	45 g	6.8 g	2.03
1000 lb	13.25	-0.045 lb	-20.6 g	45 g	6.8 g	2.03		
1000 lb	13.26	-0.032 lb	-14.5 g	45 g	6.8 g	2.03		
1000 lb	13.27	-0.025 lb	-11.2 g	45 g	6.8 g	2.03		
1000 lb	13.28	-0.019 lb	-8.6 g	45 g	6.8 g	2.03		
1000 lb	13.29	-0.052 lb	-23.7 g	0.003 lb	1.5 g	45 g	6.8 g	2.03

Ron Peterson, Metrologist

01/25/2016
Date of Report



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

Submitted by: Capitol Scale Report Number: MP3418
Mailing Address: 3021 Valley Forge St Date Received: 01/20/16
City, State, Zip: Bismarck, ND 58503 Date tested: 01/21/16
Artifacts Submitted: 50 lb test weights Condition of Weights: GOOD
Temperature (c): 20.5
Test Method Used: SOP 8/ MODIFIED SUB, Sep 2014 Humidity: 52.3%
Equipment Used: Mettler KA-30/ Vaisala PTU301 Pressure (mm/Hg): 722.4

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

Standards Used: SD Lab Working Standards.

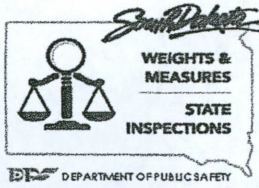
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A weight with an "As Found" and "As Left" correction was adjusted.

Table with 7 columns: Nominal, Serial Number, Correction As Found, Correction As Left, Tolerance, Uncertainty, K. Contains 20 rows of weight data.

Signature of Ron Peterson, Metrologist

01/25/2016
Date of Report



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

Submitted by: Capitol Scale **Report Number:** MP3418
Mailing Address: 3021 Valley Forge St **Date Received:** 01/20/16
City, State, Zip: Bismarck, ND 58503 **Date tested:** 01/21/16
Artifacts Submitted: 50 lb test weights **Condition of Weights:** GOOD
Temperature (c): 20.5
Test Method Used: SOP 8/ MODIFIED SUB, Sep 2014 **Humidity:** 52.3%
Equipment Used: Mettler KA-30/ Vaisala PTU301 **Pressure (mm/Hg):** 722.4

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.

A weight with an "As Found" and "As Left" correction was adjusted.

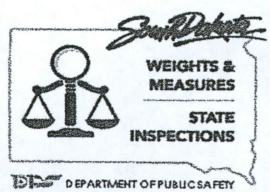
Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	K
50 lb	21	-179 mg		2300 mg	284 mg	2.04
50 lb	22	-14 mg		2300 mg	284 mg	2.04
50 lb	23	1331 mg		2300 mg	284 mg	2.04
50 lb	24	-429 mg		2300 mg	284 mg	2.04
50 lb	25	166 mg		2300 mg	284 mg	2.04
50 lb	26	336 mg		2300 mg	284 mg	2.04
50 lb	27	1086 mg		2300 mg	284 mg	2.04
50 lb	28	-509 mg		2300 mg	284 mg	2.04
50 lb	29	121 mg		2300 mg	284 mg	2.04
50 lb	30	-44 mg		2300 mg	284 mg	2.04
50 lb	31	1386 mg		2300 mg	284 mg	2.04
50 lb	32	516 mg		2300 mg	284 mg	2.04
50 lb	33	2136 mg	-39 mg	2300 mg	284 mg	2.04
50 lb	34	1126 mg		2300 mg	284 mg	2.04
50 lb	35	2786 mg	341 mg	2300 mg	284 mg	2.04
50 lb	36	141 mg		2300 mg	284 mg	2.04
50 lb	37	1256 mg		2300 mg	284 mg	2.04
50 lb	38	296 mg		2300 mg	284 mg	2.04
50 lb	39	-474 mg		2300 mg	284 mg	2.04
50 lb	40	-1129 mg		2300 mg	284 mg	2.04

Ron Peterson, Metrologist

01/25/2016
 Date of Report

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

Phone:605-773-3697
 Fax:605-773-6631
 www.dps.sd.gov



**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

Submitted by:	Capitol Scale	Report Number:	MP3418
Mailing Address:	3021 Valley Forge St	Date Received:	01/20/16
City, State, Zip:	Bismarck, ND 58503	Date tested:	01/21/16
Artifacts Submitted	50 lb test weights	Condition of Weights:	GOOD
		Temperature (c):	20.5
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	52.3%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	722.4

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

Standards Used: SD Lab Working Standards.

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A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	K
50 lb	41	266 mg		2300 mg	284 mg	2.04
50 lb	42	1326 mg		2300 mg	284 mg	2.04
50 lb	43	1091 mg		2300 mg	284 mg	2.04
50 lb	44	1381 mg		2300 mg	284 mg	2.04
50 lb	45	771 mg		2300 mg	284 mg	2.04
50 lb	46	266 mg		2300 mg	284 mg	2.04
50 lb	47	1166 mg		2300 mg	284 mg	2.04
50 lb	48	2061 mg	-29 mg	2300 mg	284 mg	2.04
50 lb	49	1226 mg		2300 mg	284 mg	2.04
50 lb	50	-59 mg		2300 mg	284 mg	2.04
50 lb	51	166 mg		2300 mg	284 mg	2.04
50 lb	52	-384 mg		2300 mg	284 mg	2.04
50 lb	53	1276 mg		2300 mg	284 mg	2.04
50 lb	54	-649 mg		2300 mg	284 mg	2.04
50 lb	55	831 mg		2300 mg	284 mg	2.04
50 lb	56	741 mg		2300 mg	284 mg	2.04
50 lb	57	36 mg		2300 mg	284 mg	2.04
50 lb	58	561 mg		2300 mg	284 mg	2.04
50 lb	59	-1099 mg		2300 mg	284 mg	2.04
50 lb	60	1276 mg		2300 mg	284 mg	2.04

Ron Peterson, Metrologist

01/25/2016
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118 W. Capitol Ave.
Pierre, SD 57501

Phone:605-773-3697
Fax:605-773-6631
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Submitted by:	Capitol Scale	Report Number:	MP3418
Mailing Address:	3021 Valley Forge St	Date Received:	01/20/16
City, State, Zip:	Bismarck, ND 58503	Date tested:	01/21/16
Artifacts Submitted	50 lb test weights	Condition of Weights:	GOOD
		Temperature (c):	20.5
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	52.3%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	722.4

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

Standards Used: SD Lab Working Standards.

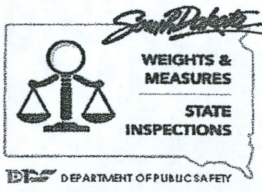
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A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	K
50 lb	61	346 mg		2300 mg	284 mg	2.04
50 lb	62	336 mg		2300 mg	284 mg	2.04
50 lb	63	-1069 mg		2300 mg	284 mg	2.04
50 lb	64	506 mg		2300 mg	284 mg	2.04
50 lb	65	-489 mg		2300 mg	284 mg	2.04
50 lb	66	-1489 mg		2300 mg	284 mg	2.04
50 lb	67	491 mg		2300 mg	284 mg	2.04
50 lb	68	1411 mg		2300 mg	284 mg	2.04
50 lb	69	-54 mg		2300 mg	284 mg	2.04
50 lb	70	226 mg		2300 mg	284 mg	2.04
50 lb	71	826 mg		2300 mg	284 mg	2.04
50 lb	72	-1799 mg	-64 mg	2300 mg	284 mg	2.04
50 lb	73	-74 mg		2300 mg	284 mg	2.04
50 lb	74	-1004 mg		2300 mg	284 mg	2.04
50 lb	75	851 mg		2300 mg	284 mg	2.04
50 lb	76	-344 mg		2300 mg	284 mg	2.04
50 lb	77	-889 mg		2300 mg	284 mg	2.04
50 lb	78	901 mg		2300 mg	284 mg	2.04
50 lb	79	241 mg		2300 mg	284 mg	2.04
50 lb	80	-2579 mg	-104 mg	2300 mg	284 mg	2.04

Ron Peterson, Metrologist

01/25/2016
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 Office: 118 West Capitol Avenue Phone: 605-773-3697
 Pierre SD 57501

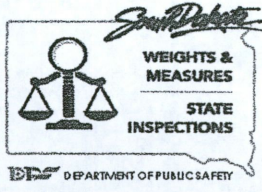
Submitted by: Capitol Scale **Report Number:** MP3418
Mailing Address: 3021 Valley Forge St **Date Received:** 01/20/16
City, State, Zip: Bismarck, ND 58503 **Date tested:** 01/21/16
Artifacts Submitted: 19 piece avoirdupois kit **Condition of Weights:** GOOD
 SN 010813A **Temperature (c):** 21
Test Method Used: SOP 8/ MODIFIED SUB, Sep 2014 **Humidity:** 48.7
Equipment Used: Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301 **Pressure (mm/Hg):** 722.8

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.
 A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Identifier	Correction As Found	Correction As Left	Tolerance Class F	Uncertainty	k
5 lb	1	69 mg		230 mg	28 mg	2.05
5 lb	2	65 mg		230 mg	28 mg	2.05
5 lb	3	65 mg		230 mg	28 mg	2.05
5 lb	4	62 mg		230 mg	28 mg	2.05
5 lb	5	63 mg		230 mg	28 mg	2.05
1 lb	1	24.6 mg		70 mg	8.5 mg	2.05
1 lb	2	22.6 mg		70 mg	8.5 mg	2.05
1 lb	3	25.6 mg		70 mg	8.5 mg	2.05
1 lb	4	18.6 mg		70 mg	8.5 mg	2.05
1 lb	5	28.6 mg		70 mg	8.5 mg	2.05
8 oz		21.1 mg		45 mg	5.5 mg	2.05
4 oz		8.3 mg		23 mg	2.8 mg	2.06
2 oz		2.5 mg		11 mg	1.3 mg	2.06
1 oz		1.74 mg		5.4 mg	0.66 mg	2.05
1/2 oz		0.93 mg		2.8 mg	0.34 mg	2.05
1/4 oz		0.55 mg		1.7 mg	0.21 mg	2.05
1/8 oz		0.19 mg		1.3 mg	0.17 mg	2.05
1/32 oz		0.33 mg		0.87 mg	0.13 mg	2.05
1/32 oz		0.22 mg		0.87 mg	0.13 mg	2.05

Ron Peterson, Metrologist

01/25/2016
 Date of Report

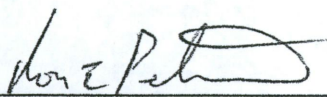


South Dakota Department of Public Safety
Office of Weights and Measures
Metrology Lab
 Lab: 1500 N Garfield - E. Truck Bypass Phone: 605-773-3170
 Office: 118 West Capitol Avenue Phone: 605-773-3697
 Pierre SD 57501

Submitted by:	Capitol Scale	Report Number:	MP3418
Mailing Address:	3021 Valley Forge St	Date Received:	01/20/16
City, State, Zip:	Bismarck, ND 58503	Date tested:	01/21/16
Artifacts Submitted	13 piece avoirdupois kit	Condition of Weights:	GOOD
	SN 11905A	Temperature (c):	20.9
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	49.4
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	722.7

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.
 A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Identifier	Correction As Found	Correction As Left	Tolerance Class F	Uncertainty	k
10 lb		63 mg		450 mg	55 mg	2.06
10 lb		96 mg		450 mg	55 mg	2.06
5 lb		-85 mg		230 mg	28 mg	2.05
2 lb		35 mg		91 mg	11 mg	2.06
2 lb		18 mg		91 mg	11 mg	2.06
1 lb		-1.4 mg		70 mg	8.5 mg	2.05
8 oz		12.1 mg		45 mg	5.5 mg	2.05
4 oz		-4.4 mg		23 mg	2.8 mg	2.06
1 oz		3.09 mg		5.4 mg	0.66 mg	2.05
1 oz		1.76 mg		5.4 mg	0.66 mg	2.05
1 oz	M	3.21 mg		5.4 mg	0.66 mg	2.05
1/2 oz		1.50 mg		2.8 mg	0.34 mg	2.05
1/4 oz		-1.02 mg		1.7 mg	0.21 mg	2.05


 Ron Peterson, Metrologist

01/25/2016
 Date of Report



South Dakota Department of Public Safety
Office of Weights and Measures
Metrology Lab
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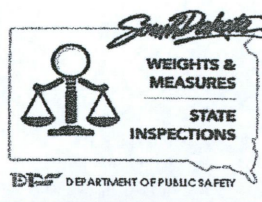
Submitted by: Capitol Scale **Report Number:** MP3418
Mailing Address: 3021 Valley Forge St **Date Received:** 01/20/16
City, State, Zip: Bismarck, ND 58503 **Date tested:** 01/21/16
Artifacts Submitted: 17 piece avoirdupois kit **Condition of Weights:** GOOD
 SN 11905B **Temperature (c):** 20.9
Test Method Used: SOP 8/ MODIFIED SUB, Sep 2014 **Humidity:** 49.4
Equipment Used: Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301 **Pressure (mm/Hg):** 722.7

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.
 A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Identifier	Correction As Found	Correction As Left	Tolerance Class F	Uncertainty	k
2 lb	1	27 mg		91 mg	11 mg	2.06
2 lb	2	12 mg		91 mg	11 mg	2.06
2 lb	3	10 mg		91 mg	11 mg	2.06
1 lb		20.6 mg		70 mg	8.5 mg	2.05
8 oz		12.1 mg		45 mg	5.5 mg	2.05
4 oz		-2.8 mg		23 mg	2.8 mg	2.06
2 oz		4.2 mg		11 mg	1.3 mg	2.06
1 oz		0.58 mg		5.4 mg	0.66 mg	2.05
1/2 oz		0.09 mg		2.8 mg	0.34 mg	2.05
1/4 oz		0.40 mg		1.7 mg	0.21 mg	2.05
0.3 lb		-0.6 mg		27 mg	2.5 mg	2.06
0.2 lb		1.0 mg		18 mg	2.2 mg	2.06
0.1 lb		4.4 mg		9.1 mg	1.1 mg	2.06
0.05 lb		0.49 mg		4.5 mg	0.55 mg	2.06
0.03 lb		-1.47 mg		2.7 mg	0.30 mg	2.06
0.02 lb		0.23 mg		1.8 mg	0.22 mg	2.06
0.01 lb		-0.46 mg		1.5 mg	0.19 mg	2.06

Ron Peterson, Metrologist

01/25/2016
 Date of Report



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

Submitted by: Capitol Scale **Report Number:** MP3418
Mailing Address: 3021 Valley Forge St **Date Received:** 01/20/16
City, State, Zip: Bismarck, ND 58503 **Date tested:** 01/25/16
Artifacts Submitted: 23 piece avoirdupois kit **Condition of Weights:** GOOD
 SN 11905C **Temperature (c):** 21.2
Test Method Used: SOP 8/ MODIFIED SUB, Sep 2014 **Humidity:** 45
Equipment Used: Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301 **Pressure (mm/Hg):** 714.3

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.
 A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Identifier	Correction As Found	Correction As Left	Tolerance Class F	Uncertainty	k
5 lb	1	-11 mg		230 mg	28 mg	2.05
5 lb	2	24 mg		230 mg	28 mg	2.05
5 lb	3	19 mg		230 mg	28 mg	2.05
5 lb	4	66 mg		230 mg	28 mg	2.05
5 lb	5	73 mg		230 mg	28 mg	2.05
1 lb	1	-17.4 mg		70 mg	8.5 mg	2.05
1 lb	2	-7.4 mg		70 mg	8.5 mg	2.05
1 lb	3	-19.4 mg		70 mg	8.5 mg	2.05
1 lb	4	-5.4 mg		70 mg	8.5 mg	2.05
1 lb	5	-3.4 mg		70 mg	8.5 mg	2.05
8 oz		21.1 mg		45 mg	5.5 mg	2.05
4 oz		3.1 mg		23 mg	2.8 mg	2.06
2 oz		3.8 mg		11 mg	1.3 mg	2.06
1 oz		3.7 mg		5.4 mg	0.7 mg	2.05
1/2 oz		-0.89 mg		2.8 mg	0.34 mg	2.05
1/4 oz		0.32 mg		1.7 mg	0.21 mg	2.05
1/8 oz		0.80 mg		1.3 mg	0.17 mg	2.05
0.1 lb		0.2 mg		9.1 mg	1.1 mg	2.06
0.05 lb		2.40 mg		4.5 mg	0.55 mg	2.06
0.05 lb		1.57 mg		4.5 mg	0.55 mg	2.06
0.02 lb		-0.12 mg		1.8 mg	0.22 mg	2.06
0.02 lb		-0.43 mg		1.8 mg	0.22 mg	2.06
0.01 lb		-0.83 mg		1.5 mg	0.19 mg	2.06

Ron Peterson, Metrologist

01/25/2016
 Date of Report



South Dakota Department of Public Safety
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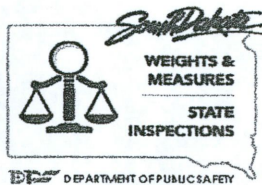
Submitted by: Capitol Scale Report Number: MP3418
 Mailing Address: 3021 Valley Forge St Date Received: 01/20/16
 City, State, Zip: Bismarck, ND 58503 Date tested: 01/25/16
 Artifacts Submitted: 20 piece avoirdupois kit Condition of Weights: GOOD
 SN 11905D Temperature (c): 21
 Test Method Used: SOP B/ MODIFIED SUB, Sep 2014 Humidity: 45.2
 Equipment Used: Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301 Pressure (mm/Hg): 714

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.
 A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Identifier	Correction As Found	Correction As Left	Tolerance Class F	Uncertainty	k
5 lb	1	41 mg		230 mg	28 mg	2.05
5 lb	2	104 mg		230 mg	28 mg	2.05
5 lb	3	133 mg		230 mg	28 mg	2.05
5 lb	4	21 mg		230 mg	28 mg	2.05
5 lb	5	51 mg		230 mg	28 mg	2.05
1 lb	1	31.6 mg		70 mg	8.5 mg	2.05
1 lb	2	13.6 mg		70 mg	8.5 mg	2.05
1 lb	3	16.6 mg		70 mg	8.5 mg	2.05
1 lb	4	30.60 mg		70 mg	8.54 mg	2.05
1 lb	5	37.60 mg		70 mg	8.54 mg	2.05
8 oz		7.10 mg		45 mg	5.53 mg	2.05
4 oz		3.42 mg		23 mg	2.80 mg	2.06
2 oz		1.64 mg		11 mg	1.34 mg	2.06
1 oz		1.90 mg		5.4 mg	0.66 mg	2.05
1/2 oz		1.27 mg		2.8 mg	0.34 mg	2.05
1/4 oz		1.12 mg		1.7 mg	0.21 mg	2.05
1/8 oz		0.26 mg		1.3 mg	0.17 mg	2.05
1/16 oz		0.56 mg		1.1 mg	0.14 mg	2.05
1/32 oz		0.27 mg		0.87 mg	0.13 mg	2.05
1/32 oz		0.26 mg		0.87 mg	0.13 mg	2.05

Ron Peterson, Metrologist

01/25/2016
 Date of Report



**South Dakota Department of Public Safety
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Metrology Lab**

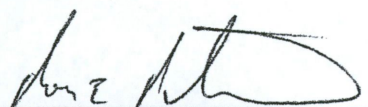
Lab: 1500 N Garfield – E. Truck Bypass Phone: 605-773-3170
Office: 118 West Capitol Avenue Phone: 605-773-3697
Pierre SD 57501



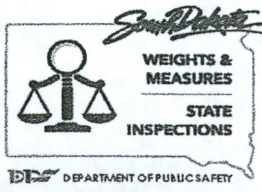
Submitted by:	Capitol Scale	Report Number:	MP3418
Mailing Address:	3021 Valley Forge St	Date Received:	01/20/16
City, State, Zip:	Bismarck, ND 58503	Date tested:	01/21/16
Artifacts Submitted	14 piece Kit SN 11905E	Condition of Weights:	GOOD
		Temperature (c):	20.8
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	52.4
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	722.5

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.
A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Identifier	Correction As Found	Correction As Left	Tolerance Class F	Uncertainty	k
2 kg		47 mg		200 mg	24 mg	2.06
1 kg		37 mg		100 mg	12 mg	2.06
500 g		28.7 mg		70 mg	8.6 mg	2.06
200 g		12.9 mg		40 mg	5.0 mg	2.06
200 g		18.0 mg		40 mg	5.0 mg	2.06
100 g		9.5 mg		20 mg	2.4 mg	2.06
50 g		5.1 mg		10 mg	1.2 mg	2.06
20 g		2.55 mg		4 mg	0.49 mg	2.05
20 g		0.87 mg		4 mg	0.49 mg	2.05
10 g		0.34 mg		2 mg	0.25 mg	2.05
5 g		0.55 mg		1.5 mg	0.39 mg	2.06
2 g		0.65 mg		1.1 mg	0.14 mg	2.06
2 g		0.10 mg		1.1 mg	0.14 mg	2.06
1 g		0.34 mg		0.9 mg	0.12 mg	2.06


Ron Peterson, Metrologist

01/25/2016
Date of Report



South Dakota Department of Public Safety
Office of Weights and Measures
Metrology Lab
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 Office: 118 West Capitol Avenue Phone: 605-773-3697
 Pierre SD 57501

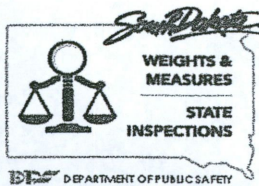
Submitted by: Capitol Scale **Report Number:** MP3418
Mailing Address: 3021 Valley Forge St **Date Received:** 01/20/16
City, State, Zip: Bismarck, ND 58503 **Date tested:** 01/25/16
Artifacts Submitted: 21 piece Kit SN 11111A **Condition of Weights:** GOOD
Temperature (c): 21.2
Test Method Used: SOP 8/ MODIFIED SUB, Sep 2014 **Humidity:** 44.8
Equipment Used: Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301 **Pressure (mm/Hg):** 714.3

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.
 A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Identifier	Correction As Found	Correction As Left	Tolerance Class F	Uncertainty	k
5 kg	1	160 mg		500 mg	61 mg	2.07
5 kg	2	141 mg		500 mg	61 mg	2.07
2 kg	1	35 mg		200 mg	24 mg	2.06
2 kg	2	43 mg		200 mg	24 mg	2.06
1 kg		48 mg		100 mg	12 mg	2.06
500 g	1	24.7 mg		70 mg	8.6 mg	2.06
500 g	2	19.7 mg		70 mg	8.6 mg	2.06
500 g	3	12.7 mg		70 mg	8.6 mg	2.06
500 g	4	20.7 mg		70 mg	8.6 mg	2.06
500 g	5	19.7 mg		70 mg	8.6 mg	2.06
200 g	1	9.2 mg		40 mg	5.0 mg	2.06
200 g	2	9.7 mg		40 mg	5.0 mg	2.06
100 g		7.0 mg		20 mg	2.4 mg	2.06
50 g		1.7 mg		10 mg	1.2 mg	2.06
20 g		1.64 mg		4 mg	0.49 mg	2.05
20 g		1.14 mg		4 mg	0.49 mg	2.05
10 g		0.42 mg		2 mg	0.25 mg	2.05
5 g		0.69 mg		1.5 mg	0.39 mg	2.06
2 g		0.23 mg		1.1 mg	0.14 mg	2.06
2 g		0.54 mg		1.1 mg	0.14 mg	2.06
1 g		0.15 mg		0.9 mg	0.12 mg	2.06

Ron Peterson, Metrologist

01/25/2016
 Date of Report



**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



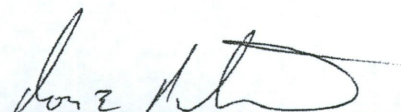
Submitted by:	Capitol Scale	Report Number:	MP3418
Mailing Address:	3021 Valley Forge St	Date Received:	01/20/16
City, State, Zip:	Bismarck, ND 58503	Date tested:	01/21/16
Artifacts Submitted	14 piece Kit SN F308	Condition of Weights:	GOOD
		Temperature (c):	21.1
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	47.7
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	723

Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight.
Standards Used: SD Lab Working Standards.

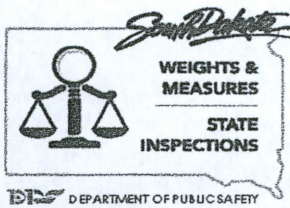
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in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

A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Identifier	Correction As Found	Correction As Left	Tolerance Class F	Uncertainty	k
2 kg		39 mg		200 mg	24 mg	2.06
1 kg		35 mg		100 mg	12 mg	2.06
500 g		10.7 mg		70 mg	8.6 mg	2.06
200 g		11.2 mg		40 mg	5.0 mg	2.06
200 g		13.8 mg		40 mg	5.0 mg	2.06
100 g		6.8 mg		20 mg	2.4 mg	2.06
50 g		2.2 mg		10 mg	1.2 mg	2.06
20 g		1.44 mg		4 mg	0.49 mg	2.05
20 g		0.30 mg		4 mg	0.49 mg	2.05
10 g		0.85 mg		2 mg	0.25 mg	2.05
5 g		0.41 mg		1.5 mg	0.39 mg	2.06
2 g		0.96 mg		1.1 mg	0.14 mg	2.06
2 g		0.69 mg		1.1 mg	0.14 mg	2.06
1 g		0.52 mg		0.9 mg	0.12 mg	2.06


Ron Peterson, Metrologist

01/25/2016
Date of Report



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: MP3454
 DATE OF REPORT: 08/16/2016
 DATE RECEIVED: 08/15/2016
 DATE OF TEST: 08/15-16/2016

Submitted By: Capital Scale Company
Contact: Travis Will
Mailing Address: 3021 Valley Forge Dr
City, State, Zip: Bismarck, ND 58503
Phone: 701-255-1556
S/A Number: 61

Standards Submitted:

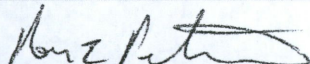
- 16 - 1000 lb test weights
- 2 - 2000 lb weight carts

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.

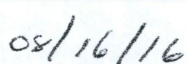
Traceability statement:

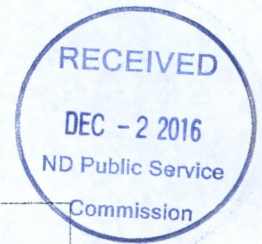
The Standards of the SD Metrology Laboratory used for comparison are traceable to the International System of Units (SI) through the National Institute of Standards and Technology. The laboratory test number identified above is the unique report number to be used in referencing measurement traceability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

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Ron Peterson, Metrologist




Date



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

Submitted by:	Capital Scale Company	Report Number:	MP3454
Mailing Address:	3021 Valley Forge Dr	Date Received:	08/15/16
City, State, Zip:	Bismarck, ND 58503	Date tested:	08/15-16/2016
Manufacturer:	Unknown	Condition of Cart:	NEW
Serial Number:	2016-1	Temperature (c):	24.0
Test Method Used:	SOP 33 Calibrations of Weight Carts, Sep 2014	Humidity:	59.0%
Nominal (lb):	2000	Pressure (mm/Hg):	715.0
Tolerance (lb):	0.50		

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.

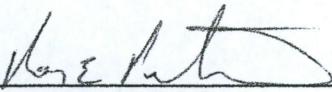
Note: Cart platform weight is 240 lbs.

As Found (lb)	As Left (lb)	Uncertainty-lb. (K=2)
-0.79	-0.06	0.12

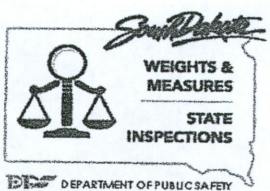
The weight cart was allowed to come to environmental equilibrium in the laboratory prior to calibration. The weight cart was adjusted, as needed and noted above, as close as possible to zero error. All fluid levels must be maintained as close to reference levels as possible during use. Any maintenance, repairs or damage to weight cart or its components will likely result in an out-of-tolerance condition; therefore, maintenance or replacement of components such as batteries, tires, filters, etc. will require calibration of the weight cart prior to subsequent use.

Test equipment used include recently calibrated weights and a Sartorius PR 6246/33 load cell.

The above weight cart was compared with standards of the State of South Dakota, which are traceable the National Institute of Standards and Technology(NIST) Weights and Measures Division. The assigned test number provides documented evidence for measurement traceability.


 Ron Peterson, Metrologist

08/16/2016
 Date of Report



**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

Submitted by:	Capital Scale Company	Report Number:	MP3454
Mailing Address:	3021 Valley Forge Dr	Date Received:	08/15/16
City, State, Zip:	Bismarck, ND 58503	Date tested:	08/15-16/2016
Manufacturer:	Unknown	Condition of Cart:	NEW
Serial Number:	2016-2	Temperature (c):	24.0
Test Method Used:	SOP 33 Calibrations of Weight Carts, Sep 2014	Humidity:	59.0%
Nominal (lb):	2000	Pressure (mm/Hg):	715.0
Tolerance (lb):	0.50		

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.

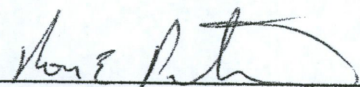
Note: Cart platform weight is 231 lbs.

As Found (lb)	As Left (lb)	Uncertainty-lb. (K=2)
0.00	0.00	0.12

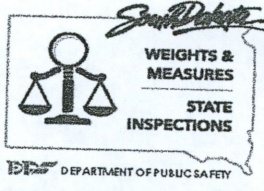
The weight cart was allowed to come to environmental equilibrium in the laboratory prior to calibration. The weight cart was adjusted, as needed and noted above, as close as possible to zero error. All fluid levels must be maintained as close to reference levels as possible during use. Any maintenance, repairs or damage to weight cart or its components will likely result in an out-of-tolerance condition; therefore, maintenance or replacement of components such as batteries, tires, filters, etc. will require calibration of the weight cart prior to subsequent use.

Test equipment used include recently calibrated weights and a Sartorius PR 6246/33 load cell.

The above weight cart was compared with standards of the State of South Dakota, which are traceable the National Institute of Standards and Technology(NIST) Weights and Measures Division. The assigned test number provides documented evidence for measurement traceability.


Ron Peterson, Metrologist

08/16/2016
Date of Report



**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

Submitted by:	Capital Scale Company	Report Number:	MP3454
Mailing Address:	3021 Valley Forge Dr	Date Received:	08/15/16
City, State, Zip:	Bismarck, ND 58503	Date tested:	08/15/16
Artifacts Submitted	16- 1000 lb test weights	Condition of Weights:	GOOD
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Temperature (c):	22
Equipment Used:	Russell Balance/ Vaisala PTU301	Humidity:	45.2
		Pressure (mm/Hg):	713.7

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

Standards Used: SD Lab 1000 lb and/or 500 lb 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	Serial Number	Correction As Found		Correction As Left		Tolerance	Uncertainty	K
1000 lb	13.1	0.077 lb	35.0 g	0.003 lb	1.3 g	45 g	6.8 g	2.03
1000 lb	13.2	0.013 lb	5.8 g	0.013 lb	5.8 g	45 g	6.8 g	2.03
1000 lb	13.3	0.085 lb	38.4 g	0.004 lb	1.9 g	45 g	6.8 g	2.03
1000 lb	13.4	0.077 lb	35.0 g	0.004 lb	1.8 g	45 g	6.8 g	2.03
1000 lb	13.5	0.061 lb	27.6 g	0.061 lb	27.6 g	45 g	6.8 g	2.03
1000 lb	13.6	0.007 lb	3.2 g	0.007 lb	3.2 g	45 g	6.8 g	2.03
1000 lb	13.7	0.062 lb	28.1 g	0.062 lb	28.1 g	45 g	6.8 g	2.03
1000 lb	13.8	0.055 lb	24.9 g	0.055 lb	24.9 g	45 g	6.8 g	2.03
1000 lb	13.9	0.049 lb	22.4 g	0.049 lb	22.4 g	45 g	6.8 g	2.03
1000 lb	16.1	-0.016 lb	-7.1 g	-0.016 lb	-7.1 g	45 g	6.8 g	2.03
1000 lb	16.2	0.020 lb	9.3 g	0.020 lb	9.3 g	45 g	6.8 g	2.03
1000 lb	16.3	0.019 lb	8.4 g	0.019 lb	8.4 g	45 g	6.8 g	2.03
1000 lb	16.4	0.011 lb	4.8 g	0.011 lb	4.8 g	45 g	6.8 g	2.03
1000 lb	16.5	0.015 lb	6.7 g	0.015 lb	6.7 g	45 g	6.8 g	2.03
1000 lb	16.6	0.015 lb	6.6 g	0.015 lb	6.6 g	45 g	6.8 g	2.03
1000 lb	16.7	0.041 lb	18.4 g	0.041 lb	18.4 g	45 g	6.8 g	2.03

End of Report

Ron Peterson, Metrologist

08/16/2016
Date of Report

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

Phone:605-773-3697
Fax:605-773-6631
www.dps.sd.gov

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



2016

Carol T. Hockert, Chief
NIST Office of Weights and Measures

Effective Dates: 2016-01-01 to 2016-12-31