



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 1/28/16	
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	1, 2, 3, 4, 6 + 7
	Lyn Kennedy	↓
	Tavis Will	

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

80) 50# test weights	
20) 1000# test weights	
2) 2000# weight parts	
8) weight kits	

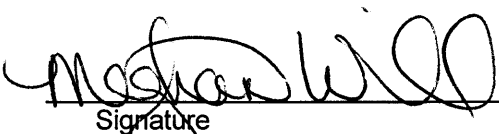
Additional Application Items (initial where appropriate):

Standardized Test Report	<input checked="" 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 the Vice President, 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.

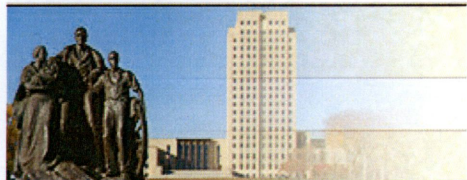

 Signature

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



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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
PO BOX 2021
BISMARCK, ND 58502-2021
Established Date: Jan 03, 1994

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.

[2015](#) (generates a forms-fillable pdf in a new pop-up window)

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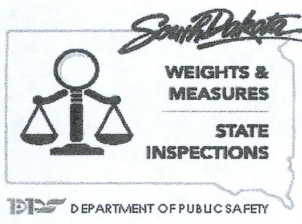
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South Dakota Department of Public Safety
Office of Weights and Measures
Metrology Lab
Lab: 1500 N Garfield – E. Truck Bypass Phone: 605-773-3170
Office: 118 West Capitol Avenue Phone: 605-773-3697
Pierre SD 57501

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:

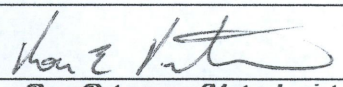
- 80 - 50 lb test weights
- 20 - 1000 lb test weights
- 2 - 2000 lb carts
- 8 - weight kits

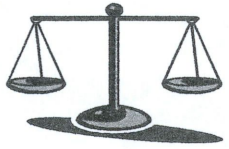
Uncertainty Statement: The combined standard uncertainty includes the standard uncertainty reported for the standard and the standard uncertainty for the measurement process. The combined standard uncertainty is multiplied by a coverage factor k to provide an expanded uncertainty which defines an interval 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.

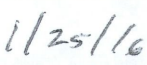
Traceability statement:

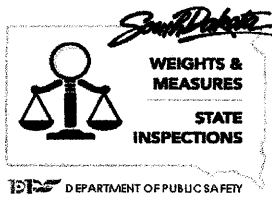
The Standards of the SD Metrology Laboratory used for comparison are traceable to the International System of Units (SI) through the National Institute of Standards and Technology. The laboratory test number identified above is the unique report number to be used in referencing measurement traceability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




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.

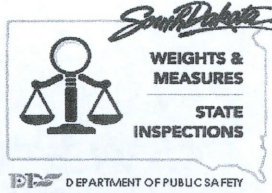
The above weight cart was compared with standards of the State of South Dakota, which are traceable the National Institute of Standards and Technology(NIST) Weights and Measures Division. The assigned test number provides documented evidence for measurement traceability.



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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		

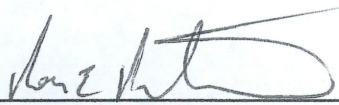
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As Found (lb)	As Left (lb)	Uncertainty-lb. (K=2)
-4.20	-0.04	0.21

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.

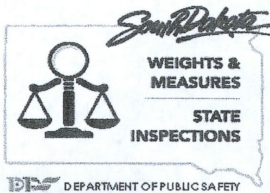
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01/25/2016

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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
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.

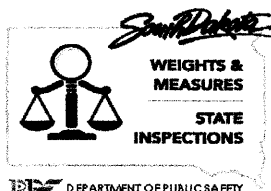
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in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

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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.

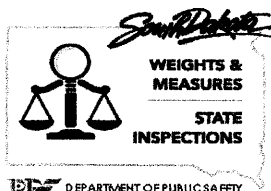
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A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	K
50 lb	1	1201 mg	-14 mg	2300 mg	284 mg	2.04
50 lb	2	1126 mg		2300 mg	284 mg	2.04
50 lb	3	-9 mg		2300 mg	284 mg	2.04
50 lb	4	-59 mg		2300 mg	284 mg	2.04
50 lb	5	-239 mg		2300 mg	284 mg	2.04
50 lb	6	2026 mg	156 mg	2300 mg	284 mg	2.04
50 lb	7	116 mg		2300 mg	284 mg	2.04
50 lb	8	-984 mg		2300 mg	284 mg	2.04
50 lb	9	-1924 mg	-44 mg	2300 mg	284 mg	2.04
50 lb	10	-834 mg		2300 mg	284 mg	2.04
50 lb	11	1411 mg		2300 mg	284 mg	2.04
50 lb	12	1521 mg		2300 mg	284 mg	2.04
50 lb	13	-1509 mg		2300 mg	284 mg	2.04
50 lb	14	-199 mg		2300 mg	284 mg	2.04
50 lb	15	-344 mg		2300 mg	284 mg	2.04
50 lb	16	-524 mg		2300 mg	284 mg	2.04
50 lb	17	616 mg		2300 mg	284 mg	2.04
50 lb	18	1366 mg		2300 mg	284 mg	2.04
50 lb	19	1056 mg		2300 mg	284 mg	2.04
50 lb	20	2251 mg	311 mg	2300 mg	284 mg	2.04

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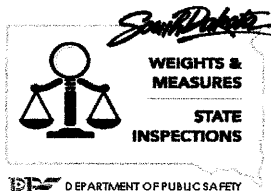
A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	K
50 lb	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


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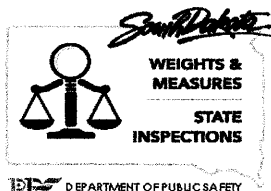
A weight with an "As Found" and "As Left" correction was adjusted.

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


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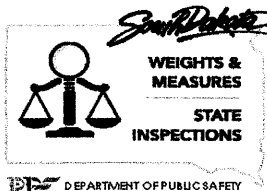
A weight with an "As Found" and "As Left" correction was adjusted.

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

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	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.

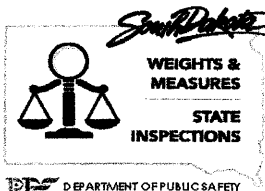
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in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

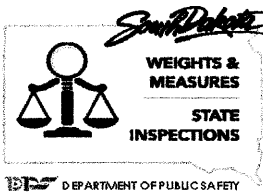
A weight with an "As Found" and "As Left" correction was adjusted.

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**

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	17 piece avoirdupois kit SN 11905B	Condition of Weights:	GOOD
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Temperature (c):	20.9
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Humidity:	49.4
		Pressure (mm/Hg):	722.7

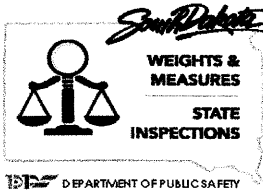
Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight.
Standards Used: SD Lab Working Standards.
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may 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 SN 11905C	Condition of Weights:	GOOD
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Temperature (c):	21.2
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Humidity:	45
		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
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	20 piece avoirdupois kit SN 11905D	Condition of Weights:	GOOD
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Temperature (c):	21
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Humidity:	45.2
		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
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 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.

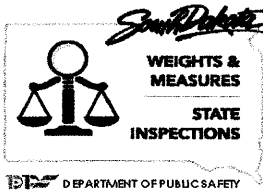
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in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

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	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.

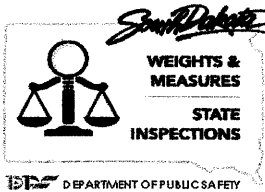
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in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

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. Hocken, Chief
NIST Office of Weights and Measures

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