



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 K-Scale LLC	Email Address info@K-Scale.com	Application Date 10-27-16	
Mailing Address 1701 W. Madison	City Sioux Falls	State SD	Zip Code 57104
Telephone Number 605-334-8003	Cell Phone Number 605-431-4790	Fax Number 605-336-9500	

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: _____ <input checked="" type="checkbox"/> 5. Belt <input checked="" type="checkbox"/> 6. Over 30 lbs.: Max. Capacity: _____ <input checked="" type="checkbox"/> 7. 30 lbs. or less <input checked="" 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
1622	Kevin Baumgartner	2, 3, 4, 5, 6, 7, 8
	Ken Hoff	2, 3, 4, 5, 6, 7, 8
	previous # is with another company can you issue Ken a K-Scale #	

2 **WM-16-598** Filed: 10/27/2016 Pages: 20
 Application for permit

K-Scale, L.L.C.

2 **WM-16-712** Filed: 10/27/2016 Pages: 20
 Application for permit

K-Scale, L.L.C.

Application for Registration as a Registered Service Company
Page 2

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

Emailed	

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 Suzanne Baumgartner, 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.

Suzanne Baumgartner
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

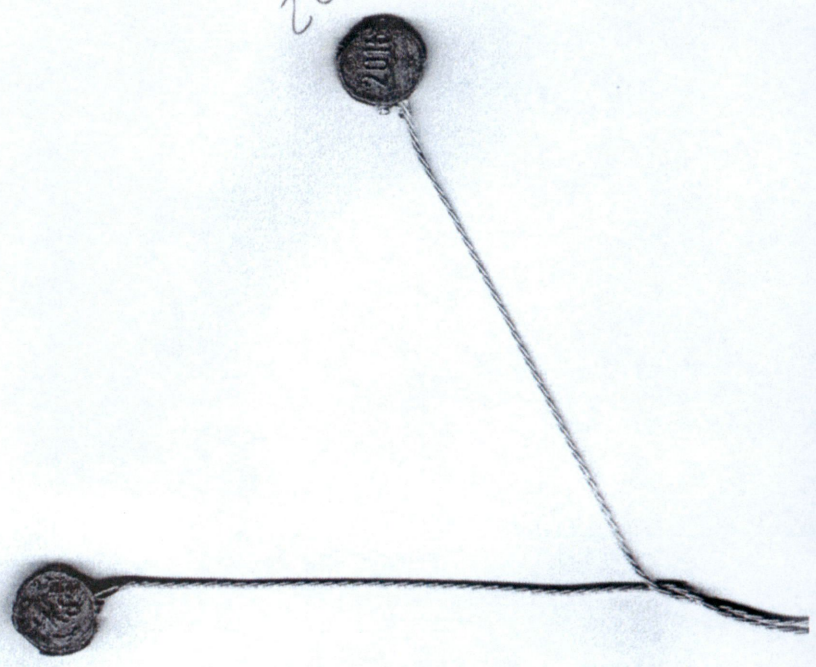
K₁Scale INC. Sales & Service
Voice: 605-334-8003 Fax: 605-336-9500
1701 W. Madison St., Sioux Falls, SD 57104

Tested & Approved

Month						Year			
1	2	3	4	5	6	15	16	17	
7	8	9	10	11	12	18	19	20	

KS

2016



North Dakota

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K-SCALE, L.L.C.

Corporation Details

System ID: 20971400**Phone:** (605) 334-8003**Type:** FOREIGN LIMITED LIABILITY COMPANY**Status:** Active & Good Standing**Original File Date:** 04/22/2005**Effective Date:** 04/22/2005**State of Origin:** South Dakota

Nature of Business

SALES & SERVICE OF ALL TYPES OF SCALES

Principal Office

1701 W MADISON SIOUX FALLS, SD 57104-5723

Registered Agent

SEARCH COMPANY OF NORTH DAKOTA LLC

1709 N 19TH ST STE 3

BISMARCK, ND 58501-2121

Established Date: Dec 11, 2015

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.

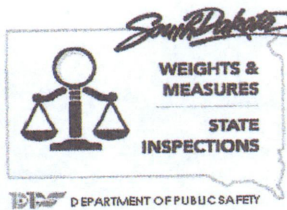
[2015](#) [2016](#) (generates a forms-fillable pdf in a new pop-up window)

[Return to Search Results](#)[Contact Us](#)[Disclaimer](#)[Privacy Policy](#)

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: MP3463
DATE OF REPORT: 10/27/2016
DATE RECEIVED: 10/24/2016
DATE OF TEST: 10/25-26/2016

Submitted By: K- Scale
Contact: Kevin Baumgartner
Mailing Address: 1701 W Madison
City, State, Zip: Sioux Falls, SD 57104
Phone: 605-334-8003
S/A Number: 90

Standards Submitted:

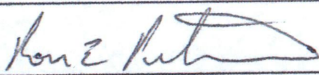
1 - 3000 lb cart	2 kg weights
28 - 1000 lb weights	3 avoirdupois kits (47 pieces)
47 - 50 lb weights	3 metric kits (50 pieces)
47 - 25 lb weights	

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:

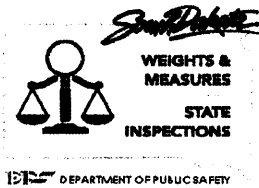
The Standards of the SD Metrology Laboratory used for comparison are traceable to the International System of Units (SI) through the National Institute of Standards and Technology. The laboratory test number identified above is the unique report number to be used in referencing measurement traceability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



10/27/16
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:	K- Scale	Report Number:	MP3463
Mailing Address:	1701 W Madison	Date Received:	10/24/16
City, State, Zip:	Sioux Falls, SD 57104	Date tested:	10/25-26/2016
Manufacturer:	Dunbar Mfg Div	Condition of Cart:	GOOD
Serial Number:	11111885	Temperature (c):	20.3
Test Method Used:	SOP 33 Calibrations of Weight Carts, Sep 2014	Humidity:	42.3%
Nominal (lb):	3000	Pressure (mm/Hg):	713.5
Tolerance (lb):	1.00		

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=)
-0.28	-0.05	0.23

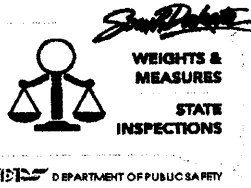
The weight cart was allowed to come to environmental equilibrium in the laboratory prior to calibration. The weight cart was adjusted, as needed and noted above, as close as possible to zero error. All fluid levels must be maintained as close to reference levels as possible during use. Any maintenance, 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 to 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

10/27/2016
Date of Report



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Metrology Lab**

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Office: 118 West Capitol Avenue Phone: 605-773-3697
Pierre SD 57501

Submitted by:	K- Scale	Report Number:	MP3463
Mailing Address:	1701 W Madison	Date Received:	10/24/16
City, State, Zip:	Sioux Falls, SD 57104	Date tested:	10/25-26/2016
Artifacts Submitted	1000 lb weights	Condition of Weights:	GOOD
		Temperature (c):	22.2
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	47.4
Equipment Used:	Russell Balance/ Vaisala PTU301	Pressure (mm/Hg):	716

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

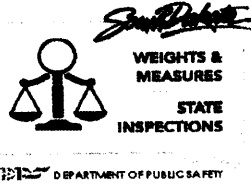
Standards Used: SD Lab 1000 lb and/or 500 lb Working Standards.

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	1	-0.006 lb	-2.8 g	-0.006 lb	-2.8 g	45 g	5.9 g	2.04
1000 lb	2	-0.009 lb	-3.9 g	-0.009 lb	-3.9 g	45 g	5.9 g	2.04
1000 lb	3	-0.006 lb	-2.8 g	-0.006 lb	-2.8 g	45 g	5.9 g	2.04
1000 lb	4	-0.021 lb	-9.4 g	-0.021 lb	-9.4 g	45 g	5.9 g	2.04
1000 lb	5	-0.031 lb	-14.0 g	-0.031 lb	-14.0 g	45 g	5.9 g	2.04
1000 lb	6	-0.053 lb	-23.9 g	-0.003 lb	-1.2 g	45 g	5.9 g	2.04
1000 lb	7	-0.055 lb	-24.7 g	0.002 lb	1.0 g	45 g	5.9 g	2.04
1000 lb	8	-0.001 lb	-0.4 g	-0.001 lb	-0.4 g	45 g	5.9 g	2.04
1000 lb	9	-0.038 lb	-17.0 g	-0.038 lb	-17.0 g	45 g	5.9 g	2.04
1000 lb	10	-0.049 lb	-22.3 g	-0.049 lb	-22.3 g	45 g	5.9 g	2.04
1000 lb	11	0.097 lb	43.9 g	0.001 lb	0.2 g	45 g	5.9 g	2.04
1000 lb	12	0.083 lb	37.6 g	0.001 lb	0.5 g	45 g	5.9 g	2.04
1000 lb	13	0.030 lb	13.6 g	0.030 lb	13.6 g	45 g	5.9 g	2.04
1000 lb	14	-0.017 lb	-7.9 g	-0.017 lb	-7.9 g	45 g	5.9 g	2.04
1000 lb	15	-0.022 lb	-9.8 g	-0.022 lb	-9.8 g	45 g	5.9 g	2.04


Ron Peterson, Metrologist

10/27/2016
Date of Report



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Metrology Lab**

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Office: 118 West Capitol Avenue Phone: 605-773-3697
Pierre SD 57501

Submitted by:	K- Scale	Report Number:	MP3463
Mailing Address:	1701 W Madison	Date Received:	10/24/16
City, State, Zip:	Sioux Falls, SD 57104	Date tested:	10/25-26/2016
Artifacts Submitted	1000 lb weights	Condition of Weights:	GOOD
		Temperature (c):	22.2
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	47.4
Equipment Used:	Russell Balance/ Vaisala PTU301	Pressure (mm/Hg):	716

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

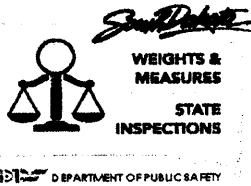
Standards Used: SD Lab 1000 lb and/or 500 lb Working Standards.

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Nominal	Serial Number	Correction As Found		Correction As Left		Tolerance	Uncertainty	k
1000 lb	16	-0.024 lb	-10.8 g	-0.024 lb	-10.8 g	45 g	5.9 g	2.04
1000 lb	17	-0.009 lb	-4.1 g	-0.009 lb	-4.1 g	45 g	5.9 g	2.04
1000 lb	18	-0.015 lb	-6.6 g	-0.015 lb	-6.6 g	45 g	5.9 g	2.04
1000 lb	19	-0.057 lb	-25.8 g	0.004 lb	1.7 g	45 g	5.9 g	2.04
1000 lb	20	-0.017 lb	-7.7 g	-0.017 lb	-7.7 g	45 g	5.9 g	2.04
1000 lb	21	0.061 lb	27.8 g	0.061 lb	27.8 g	45 g	5.9 g	2.04
1000 lb	23	-0.066 lb	-30.1 g	0.001 lb	0.2 g	45 g	5.9 g	2.04
1000 lb	24	0.004 lb	1.6 g	0.004 lb	1.6 g	45 g	5.9 g	2.04
1000 lb	25	0.109 lb	49.5 g	0.000 lb	-0.1 g	45 g	5.9 g	2.04
1000 lb	26	-0.043 lb	-19.6 g	-0.043 lb	-19.6 g	45 g	5.9 g	2.04
1000 lb	55	0.020 lb	9.0 g	0.020 lb	9.0 g	45 g	5.9 g	2.04
1000 lb	122	0.035 lb	16.1 g	0.035 lb	16.1 g	45 g	5.9 g	2.04
1000 lb	R17	-0.033 lb	-15.1 g	-0.033 lb	-15.1 g	45 g	5.9 g	2.04


Ron Peterson, Metrologist

10/27/2016
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:	K- Scale	Report Number:	MP3463
Mailing Address:	1701 W Madison	Date Received:	10/24/16
City, State, Zip:	Sioux Falls, SD 57104	Date tested:	10/28/16
Artifacts Submitted	50 lb Cast weights	Condition of Weights:	GOOD
		Temperature (c):	21.3
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	50.6%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	717.8

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

Standards Used: SD Lab Working Standards.

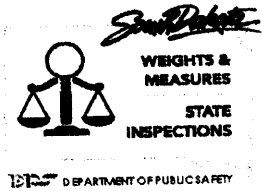
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Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	k
50 lb	1	-1694 mg	11 mg	2300 mg	283 mg	2.04
50 lb	1	-3434 mg	-9 mg	2300 mg	283 mg	2.04
50 lb	2	-1344 mg	51 mg	2300 mg	283 mg	2.04
50 lb	4	-1254 mg	-29 mg	2300 mg	283 mg	2.04
50 lb	5	-2784 mg	1 mg	2300 mg	283 mg	2.04
50 lb	6	-2979 mg	-44 mg	2300 mg	283 mg	2.04
50 lb	7	-824 mg	-824 mg	2300 mg	283 mg	2.04
50 lb	8	-1109 mg	6 mg	2300 mg	283 mg	2.04
50 lb	10	-549 mg	-549 mg	2300 mg	283 mg	2.04
50 lb	11	-1639 mg	66 mg	2300 mg	283 mg	2.04
50 lb	13	-1879 mg	6 mg	2300 mg	283 mg	2.04
50 lb	14	3061 mg	11 mg	2300 mg	283 mg	2.04
50 lb	15	-2244 mg	11 mg	2300 mg	283 mg	2.04
50 lb	16	-3654 mg	6 mg	2300 mg	283 mg	2.04
50 lb	18	-794 mg	-794 mg	2300 mg	283 mg	2.04
50 lb	20	-2539 mg	-4 mg	2300 mg	283 mg	2.04
50 lb	21	-2814 mg	-69 mg	2300 mg	283 mg	2.04
50 lb	22	-1454 mg	31 mg	2300 mg	283 mg	2.04
50 lb	24	-569 mg	-569 mg	2300 mg	283 mg	2.04
50 lb	25	-1394 mg	1 mg	2300 mg	283 mg	2.04
50 lb	26	771 mg	771 mg	2300 mg	283 mg	2.04
50 lb	27	-2479 mg	11 mg	2300 mg	283 mg	2.04
50 lb	28	-2514 mg	-49 mg	2300 mg	283 mg	2.04
50 lb	29	-404 mg	-404 mg	2300 mg	283 mg	2.04
50 lb	31	-3964 mg	1 mg	2300 mg	283 mg	2.04
50 lb	32	-2644 mg	21 mg	2300 mg	283 mg	2.04


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10/27/2016

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Pierre SD 57501

Submitted by:	K- Scale	Report Number:	MP3463
Mailing Address:	1701 W Madison	Date Received:	10/24/16
City, State, Zip:	Sioux Falls, SD 57104	Date tested:	10/26/16
Artifacts Submitted	50 lb Cast weights	Condition of Weights:	GOOD
		Temperature (c):	21.3
Test Method Used:	SOP B/ MODIFIED SUB, Sep 2014	Humidity:	50.6%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	717.6

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

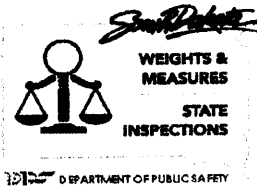
Standards Used: SD Lab Working Standards.

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Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	k
50 lb	33	-1109 mg	-1109 mg	2300 mg	283 mg	2.04
50 lb	34	141 mg	141 mg	2300 mg	283 mg	2.04
50 lb	36	-2574 mg	-19 mg	2300 mg	283 mg	2.04
50 lb	38	-3184 mg	6 mg	2300 mg	283 mg	2.04
50 lb	40	-619 mg	-619 mg	2300 mg	283 mg	2.04
50 lb	41	-2044 mg	81 mg	2300 mg	283 mg	2.04
50 lb	44	-4034 mg	16 mg	2300 mg	283 mg	2.04
50 lb	45	-994 mg	-994 mg	2300 mg	283 mg	2.04
50 lb	47	-969 mg	-969 mg	2300 mg	283 mg	2.04
50 lb	48	-2004 mg	11 mg	2300 mg	283 mg	2.04
50 lb	50	-1839 mg	61 mg	2300 mg	283 mg	2.04
50 lb	51	196 mg	196 mg	2300 mg	283 mg	2.04
50 lb	52	-3124 mg	56 mg	2300 mg	283 mg	2.04
50 lb	53	-839 mg	-839 mg	2300 mg	283 mg	2.04
50 lb	96	-94 mg	-94 mg	2300 mg	283 mg	2.04
50 lb	97	-649 mg	-649 mg	2300 mg	283 mg	2.04
50 lb	98	-909 mg	-909 mg	2300 mg	283 mg	2.04
50 lb	99	-1479 mg	-14 mg	2300 mg	283 mg	2.04
50 lb	321	-2424 mg	31 mg	2300 mg	283 mg	2.04
50 lb	333	-3999 mg	-34 mg	2300 mg	283 mg	2.04
50 lb	B	-659 mg	-659 mg	2300 mg	283 mg	2.04


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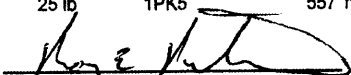
Submitted by:	K- Scale	Report Number:	MP3463
Mailing Address:	1701 W Madison	Date Received:	10/24/16
City, State, Zip:	Sioux Falls, SD 57104	Date tested:	10/26/16
Artifacts Submitted	25 lb cast weights	Condition of Weights:	GOOD
		Temperature (c):	19.6
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	41.8%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	718.0

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

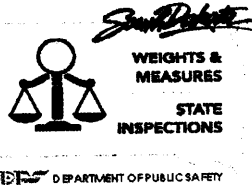
Standards Used: SD Lab Working Standards.

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Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	k
25 lb	2	-8 mg	-8 mg	1100 mg	137 mg	2.05
25 lb	56	-423 mg	-423 mg	1100 mg	137 mg	2.05
25 lb	1PJ9	-938 mg	-128 mg	1100 mg	137 mg	2.05
25 lb	1PJC	-918 mg	-28 mg	1100 mg	137 mg	2.05
25 lb	1PJD	-313 mg	-313 mg	1100 mg	137 mg	2.05
25 lb	1PJF	-788 mg	-73 mg	1100 mg	137 mg	2.05
25 lb	1PJF	322 mg	322 mg	1100 mg	137 mg	2.05
25 lb	1PJG	-1328 mg	57 mg	1100 mg	137 mg	2.05
25 lb	1PJH	-253 mg	-253 mg	1100 mg	137 mg	2.05
25 lb	1PJH	-633 mg	-633 mg	1100 mg	137 mg	2.05
25 lb	1PJI	512 mg	512 mg	1100 mg	137 mg	2.05
25 lb	1PJJ	-523 mg	-523 mg	1100 mg	137 mg	2.05
25 lb	1PJM	-823 mg	-43 mg	1100 mg	137 mg	2.05
25 lb	1PJN	67 mg	67 mg	1100 mg	137 mg	2.05
25 lb	1PJP	-1258 mg	87 mg	1100 mg	137 mg	2.05
25 lb	1PJQ	-2378 mg	57 mg	1100 mg	137 mg	2.05
25 lb	1PJR	677 mg	677 mg	1100 mg	137 mg	2.05
25 lb	1PJR	332 mg	332 mg	1100 mg	137 mg	2.05
25 lb	1PJS	-98 mg	-98 mg	1100 mg	137 mg	2.05
25 lb	1PJT	-253 mg	-253 mg	1100 mg	137 mg	2.05
25 lb	1PJV	-1283 mg	152 mg	1100 mg	137 mg	2.05
25 lb	1PJW	162 mg	162 mg	1100 mg	137 mg	2.05
25 lb	1PJZ	292 mg	292 mg	1100 mg	137 mg	2.05
25 lb	1PK2	7 mg	7 mg	1100 mg	137 mg	2.05
25 lb	1PK3	-843 mg	-63 mg	1100 mg	137 mg	2.05
25 lb	1PK5	557 mg	557 mg	1100 mg	137 mg	2.05


Ron Peterson, Metrologist

10/27/2016
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:	K- Scale	Report Number:	MP3463
Mailing Address:	1701 W Madison	Date Received:	10/24/16
City, State, Zip:	Sioux Falls, SD 57104	Date tested:	10/26/16
Artifacts Submitted	25 lb cast weights	Condition of Weights:	GOOD
		Temperature (c):	19.6
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	41.8%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	718.0

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

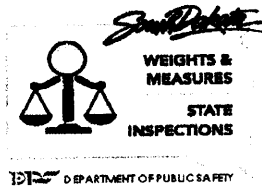
Standards Used: SD Lab Working Standards.

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	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	k
25 lb	1PK6	-1353 mg	-3 mg	1100 mg	137 mg	2.05
25 lb	1PK7	-878 mg	-3 mg	1100 mg	137 mg	2.05
25 lb	1PK7	-158 mg	-158 mg	1100 mg	137 mg	2.05
25 lb	1PK8	-823 mg	162 mg	1100 mg	137 mg	2.05
25 lb	1PK8	-288 mg	-288 mg	1100 mg	137 mg	2.05
25 lb	1PKC	-1058 mg	-18 mg	1100 mg	137 mg	2.05
25 lb	1PKC	402 mg	402 mg	1100 mg	137 mg	2.05
25 lb	1PKF	-1158 mg	57 mg	1100 mg	137 mg	2.05
25 lb	1PKH	-1078 mg	-33 mg	1100 mg	137 mg	2.05
25 lb	1PKJ	322 mg	322 mg	1100 mg	137 mg	2.05
25 lb	1PKK	-958 mg	12 mg	1100 mg	137 mg	2.05
25 lb	1PKL	-2143 mg	32 mg	1100 mg	137 mg	2.05
25 lb	1PKL	-28 mg	-28 mg	1100 mg	137 mg	2.05
25 lb	1PKL	-8 mg	-8 mg	1100 mg	137 mg	2.05
25 lb	1PKM	-908 mg	-53 mg	1100 mg	137 mg	2.05
25 lb	1PKM	-103 mg	-103 mg	1100 mg	137 mg	2.05
25 lb	1PKO	-753 mg	107 mg	1100 mg	137 mg	2.05
25 lb	1PKX	502 mg	502 mg	1100 mg	137 mg	2.05
25 lb	1PKZ	-588 mg	-588 mg	1100 mg	137 mg	2.05
25 lb	A	-333 mg	-333 mg	1100 mg	137 mg	2.05
25 lb	KSD2	-893 mg	127 mg	1100 mg	137 mg	2.05


Ron Peterson, Metrologist

10/27/2016
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:	K- Scale	Report Number:	MP3463
Mailing Address:	1701 W Madison	Date Received:	10/24/16
City, State, Zip:	Sioux Falls, SD 57104	Date tested:	10/26/16
Artifacts Submitted	Cast metric weights	Condition of Weights:	GOOD
		Temperature (c):	20.8
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	53.5%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	716.5

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

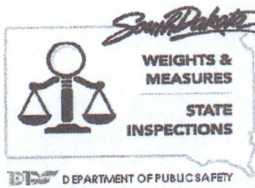
Standards Used: SD Lab Working Standards.

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.

Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	k
20 kg	D	1009 mg	1009 mg	2000 mg	251 mg	2.05
5 kg	1E	155 mg	155 mg	500 mg	61 mg	2.06


 Ron Peterson, Metrologist

10/27/2016
 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:	K- Scale	Report Number:	MP3463
Mailing Address:	1701 W Madison	Date Received:	10/24/16
City, State, Zip:	Sioux Falls, SD 57104	Date tested:	10/26/16
Artifacts Submitted	15 Piece kit	Condition of Weights:	GOOD
	SN 081500C	Temperature (c):	20.3
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	54.6
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	716.4

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

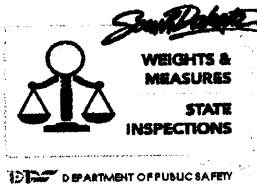
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in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

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

Nominal	Identifier	Correction As Found	Correction As Left	Tolerance Class F	Uncertainty	k
5 lb		28 mg	28 mg	230 mg	28 mg	2.04
2 lb	5	18 mg	18 mg	91 mg	11 mg	2.05
2 lb	6	32 mg	32 mg	91 mg	11 mg	2.05
1 lb		12.2 mg	12.2 mg	70 mg	8.5 mg	2.04
0.5 lb	3	4.1 mg	4.1 mg	45 mg	5.6 mg	2.04
0.2 lb	1	8.5 mg	8.5 mg	18 mg	2.3 mg	2.05
0.2 lb	3	8.2 mg	8.2 mg	18 mg	2.3 mg	2.05
0.1 lb		8.5 mg	8.5 mg	9.1 mg	1.1 mg	2.05
0.05 lb		2.38 mg	2.38 mg	4.5 mg	0.55 mg	2.05
0.02 lb		1.44 mg	1.44 mg	1.8 mg	0.22 mg	2.05
0.02 lb		0.87 mg	0.87 mg	1.8 mg	0.22 mg	2.05
0.005 lb		0.84 mg	0.84 mg	1.2 mg	0.19 mg	2.05
0.002 lb		0.46 mg	0.46 mg	0.87 mg	0.11 mg	2.05
0.002 lb		0.61 mg	0.61 mg	0.87 mg	0.11 mg	2.05
0.001 lb		-0.10 mg	-0.10 mg	0.7 mg	0.10 mg	2.05


Ron Peterson, Metrologist

10/27/2016
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:	K- Scale	Report Number:	MP3483
Mailing Address:	1701 W Madison	Date Received:	10/24/16
City, State, Zip:	Sioux Falls, SD 57104	Date tested:	10/26/16
Artifacts Submitted	17 piece kit	Condition of Weights:	GOOD
	SN 081910A	Temperature (c):	20.3
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	54.5
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	716.4

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.

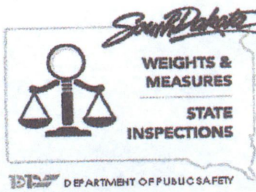
A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Identifier	Correction As Found	Correction As Left	Tolerance Class F	Uncertainty	k
10 lb		121 mg	121 mg	450 mg	55 mg	2.05
10 lb		129 mg	129 mg	450 mg	55 mg	2.05
5 lb		82 mg	82 mg	230 mg	28 mg	2.04
2 lb		35 mg	35 mg	91 mg	11 mg	2.05
2 lb		29 mg	29 mg	91 mg	11 mg	2.05
1 lb		10.6 mg	10.6 mg	70 mg	8.5 mg	2.04
0.5 lb		11.1 mg	11.1 mg	45 mg	5.6 mg	2.04
0.2 lb		0.5 mg	0.5 mg	18 mg	2.3 mg	2.05
0.2 lb		3.2 mg	3.2 mg	18 mg	2.3 mg	2.05
0.1 lb		3.0 mg	3.0 mg	9.1 mg	1.1 mg	2.05
0.05 lb		1.3 mg	1.3 mg	4.5 mg	0.5 mg	2.05
0.02 lb		0.50 mg	0.50 mg	1.8 mg	0.22 mg	2.05
0.02 lb		0.46 mg	0.46 mg	1.8 mg	0.22 mg	2.05
0.005 lb		0.57 mg	0.57 mg	1.2 mg	0.19 mg	2.05
0.002 lb		0.24 mg	0.24 mg	0.87 mg	0.11 mg	2.05
0.002 lb		0.32 mg	0.32 mg	0.87 mg	0.11 mg	2.05
0.001 lb		0.40 mg	0.40 mg	0.7 mg	0.10 mg	2.05



Ron Peterson, Metrologist

10/27/2016
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

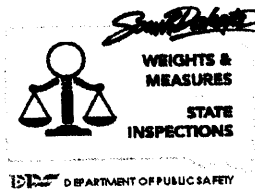
Submitted by:	K- Scale	Report Number:	MP3463
Mailing Address:	1701 W Madison	Date Received:	10/24/16
City, State, Zip:	Sioux Falls, SD 57104	Date tested:	10/26/16
Artifacts Submitted:	15 piece kit	Condition of Weights:	GOOD
	SN 081500B	Temperature (c):	20.3
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	54.6
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	716.4

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	Identifier	Correction As Found	Correction As Left	Tolerance Class F	Uncertainty	k
10 lb	KS1	-142 mg	-142 mg	450 mg	55 mg	2.05
10 lb	KS1	-122 mg	-122 mg	450 mg	55 mg	2.05
5 lb		24 mg	24 mg	230 mg	28 mg	2.04
1 lb	KS1	-3.8 mg	-3.8 mg	70 mg	8.5 mg	2.04
1 lb	KS2	2.2 mg	2.2 mg	70 mg	8.5 mg	2.04
1 lb	KS3	8.2 mg	8.2 mg	70 mg	8.5 mg	2.04
1 lb	KS4	-18.8 mg	-18.8 mg	70 mg	8.5 mg	2.04
1 lb	KS5	17.2 mg	17.2 mg	70 mg	8.5 mg	2.04
4 oz	KS1	7.3 mg	7.3 mg	23 mg	2.8 mg	2.05
4 oz	KS2	10.4 mg	10.4 mg	23 mg	2.8 mg	2.05
4 oz	KS3	-0.1 mg	-0.1 mg	23 mg	2.8 mg	2.05
1 oz	1	1.20 mg	1.20 mg	5.4 mg	0.66 mg	2.04
1 oz	3	1.68 mg	1.68 mg	5.4 mg	0.66 mg	2.04
1/2 oz		0.19 mg	0.19 mg	2.8 mg	0.34 mg	2.04
1/4 oz		-0.02 mg	-0.02 mg	1.7 mg	0.21 mg	2.04


 Ron Peterson, Metrologist

10/27/2016
 Date of Report



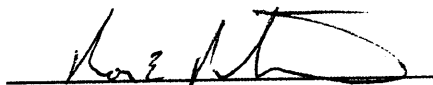
**South Dakota Department of Public Safety
Office of Weights and Measures
Metrology Lab**

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

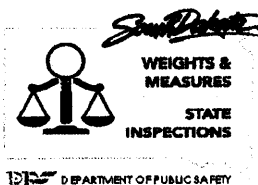
Submitted by:	K- Scale	Report Number:	MP3463
Mailing Address:	1701 W Madison	Date Received:	10/24/16
City, State, Zip:	Sioux Falls, SD 57104	Date tested:	10/26/16
Artifacts Submitted	15 piece kit	Condition of Weights:	GOOD
	SN 208D	Temperature (c):	20.3
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	54.6
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	716.4

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
5 kg		123 mg	123 mg	500 mg	61 mg	2.06
2 kg		82 mg	82 mg	200 mg	24 mg	2.05
2 kg		89 mg	89 mg	200 mg	24 mg	2.05
1 kg		54 mg	54 mg	100 mg	12 mg	2.05
500 g		26.5 mg	26.5 mg	70 mg	8.6 mg	2.05
200 g		17.8 mg	17.8 mg	40 mg	5.0 mg	2.05
200 g		16.9 mg	16.9 mg	40 mg	5.0 mg	2.05
100 g		1.8 mg	1.8 mg	20 mg	2.4 mg	2.05
50 g		2.8 mg	2.8 mg	10 mg	1.2 mg	2.05
20 g		0.99 mg	0.99 mg	4 mg	0.49 mg	2.04
20 g		0.66 mg	0.66 mg	4 mg	0.49 mg	2.04
10 g		0.69 mg	0.69 mg	2 mg	0.25 mg	2.04
5 g		0.22 mg	0.22 mg	1.5 mg	0.39 mg	2.05
2 g		0.47 mg	0.47 mg	1.1 mg	0.14 mg	2.05
2 g		0.37 mg	0.37 mg	1.1 mg	0.14 mg	2.05


Ron Peterson, Metrologist

10/27/2016
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:	K- Scale	Report Number:	MP3463
Mailing Address:	1701 W Madison	Date Received:	10/24/16
City, State, Zip:	Sioux Falls, SD 57104	Date tested:	10/28/16
Artifacts Submitted:	22 piece kit	Condition of Weights:	GOOD
	SN 080602B	Temperature (c):	20.3
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	54.6
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	716.4

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

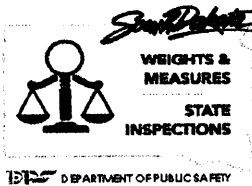
Standards Used: SD Lab Working Standards.

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
2 kg	1	89 mg	89 mg	200 mg	24 mg	2.05
2 kg	2	90 mg	90 mg	200 mg	24 mg	2.05
2 kg	3	77 mg	77 mg	200 mg	24 mg	2.05
2 kg	4	89 mg	89 mg	200 mg	24 mg	2.05
2 kg	5	73 mg	73 mg	200 mg	24 mg	2.05
1 kg		42 mg	42 mg	100 mg	12 mg	2.05
500 g	1	35.5 mg	35.5 mg	70 mg	8.6 mg	2.05
500 g	2	33.5 mg	33.5 mg	70 mg	8.6 mg	2.05
500 g	3	19.5 mg	19.5 mg	70 mg	8.6 mg	2.05
500 g	4	31.5 mg	31.5 mg	70 mg	8.6 mg	2.05
500 g	5	34.5 mg	34.5 mg	70 mg	8.6 mg	2.05
200 g		12.9 mg	12.9 mg	40 mg	5.0 mg	2.05
200 g		10.8 mg	10.8 mg	40 mg	5.0 mg	2.05
100 g		9.1 mg	9.1 mg	20 mg	2.4 mg	2.05
50 g		4.4 mg	4.4 mg	10 mg	1.2 mg	2.05
20 g		1.20 mg	1.20 mg	4 mg	0.49 mg	2.04
20 g		1.83 mg	1.83 mg	4 mg	0.49 mg	2.04
10 g		0.94 mg	0.94 mg	2 mg	0.25 mg	2.04
5 g		0.91 mg	0.91 mg	1.5 mg	0.39 mg	2.05
2 g		0.49 mg	0.49 mg	1.1 mg	0.14 mg	2.05
2 g		-0.07 mg	-0.07 mg	1.1 mg	0.14 mg	2.05
1 g		-0.43 mg	-0.43 mg	0.9 mg	0.12 mg	2.05

Ron Peterson, Metrologist

10/27/2016
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:	K- Scale	Report Number:	MP3463
Mailing Address:	1701 W Madison	Date Received:	10/24/16
City, State, Zip:	Sioux Falls, SD 57104	Date tested:	10/26/16
Artifacts Submitted	13 piece kit	Condition of Weights:	GOOD
	SN O1AY	Temperature (c):	20.3
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	54.6
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	716.4

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
2 kg		94 mg	94 mg	200 mg	24 mg	2.05
1 kg		45 mg	45 mg	100 mg	12 mg	2.05
500 g		35.7 mg	35.7 mg	70 mg	8.6 mg	2.05
200 g		16.6 mg	16.6 mg	40 mg	5.0 mg	2.05
200 g		15.8 mg	15.8 mg	40 mg	5.0 mg	2.05
100 g		7.5 mg	7.5 mg	20 mg	2.4 mg	2.05
50 g		3.4 mg	3.4 mg	10 mg	1.2 mg	2.05
20 g		1.14 mg	1.14 mg	4 mg	0.49 mg	2.04
20 g		1.03 mg	1.03 mg	4 mg	0.49 mg	2.04
5 g		0.43 mg	0.43 mg	1.5 mg	0.39 mg	2.05
2 g		0.11 mg	0.11 mg	1.1 mg	0.14 mg	2.05
2 g		0.25 mg	0.25 mg	1.1 mg	0.14 mg	2.05
1 g		-0.56 mg	-0.56 mg	0.9 mg	0.12 mg	2.05

End of Report



Ron Peterson, Metrologist

10/27/2016
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. Hockerl, Chief
NIST Office of Weights and Measures

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