



APPLICATION FOR REGISTRATION AS A REGISTERED SERVICE COMPANY

Public Service Commission
SFN 51277 (4/2013)

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 11-7-13	
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 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 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)
<i>e.g. 1001</i>	<i>e.g. John Doe</i>	<i>e.g. Scales - 2, 3, 6, 8; e.g. Liquid - 1, 2, 6</i>
1622	Kevin Baumgartner	3, 4, 6, 7, 8

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

See Report	

Include the following additional items with this application:

- A sample of your standardized test report as required by North Dakota Administrative Code Section 69-10-04-05.
- A sample of your "tested and approved" sticker as required by North Dakota Administrative Code Section 69-10-01-03.
- A photocopy of each side of your crimped lead wire seal.

Public Company Listing:

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

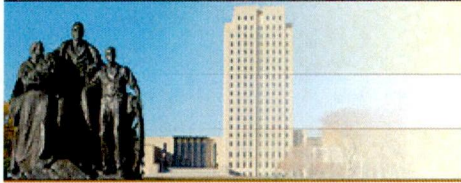
I am Stangpeter, and have authority to represent this company.
By signing this application, I declare that I have examined this form and accompanying documentation, and to the best of my knowledge and belief, the facts stated and documentation provided is true, correct, and complete.

Stangpeter
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 GovernmentNorth Dakota
LEGISLATURE

SECRETARY OF STATE 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

1501 N 12TH ST STE 1

BISMARCK, ND 58501-2713

Established Date: Nov 03, 2008

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.

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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

REPORT OF CALIBRATION

LAB TEST NUMBER: MP3288
DATE OF REPORT: 10/17/2013
DATE RECEIVED: 10/15/2013
DATE OF TEST: 10/16/2013

Submitted By: K-SCALE
Contact: Kevin
Mailing Address: 1701 W MADISON
City, State, Zip: SIOUX FALLS, SD 57104
Phone: 605-334-8003
S/A Number: 90

Standards Submitted:

- | | |
|--------------------------|-------------------------------|
| 1 -WEIGHTS CARTS | 7 -ADVOUIORDUPAUS WEIGHT KITS |
| 25 -1000 LB TEST WEIGHTS | 3 -METRIC WEIGHT KITS |
| -500 LB TEST WEIGHTS | -5 GALLON TEST MEARSURES |
| 62 -50 LB TEST WEIGHTS | |
| 26 -25 LB TEST WEIGHTS | |

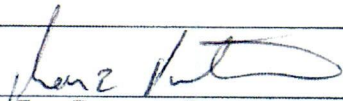
Uncertainty Statement: The combined standard uncertainty includes the standard uncertainty reported for the standard, the standard uncertainty for the measurement process, and a component of uncertainty to account for any observed deviations from values that are less than surveillance limits. The combined standard uncertainty is multiplied by a coverage factor of $k = 2$ 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 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. All established Uncertainties are less than 1/3 applicable Class "F" tolerances.

Traceability statement:

The Standards of the SD Metrology Laboratory are traceable to the International System of Units (SI) through the National Institute of Standards and Technology recognized/traceable lab in the State of Minnesota, (Test Reports: 327678, 327681, 327682, 327683, 327684, 327685, 327686, 327687, 327813) and are part of a comprehensive measurement assurance program for ensuring continued accuracy and measurement traceability within the level of uncertainty reported by this laboratory. 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.

The artifacts submitted for calibration have been examined by the State of South Dakota and found to be appropriate for the intended use and to be accurate within Class "F" Tolerances as established by the National Institute of Standards and Technology-Weights and Measures Division. Test methods are in accordance with NIST Handbook 145 and NIST IR 6969.

This document does not represent or imply endorsement by NIST Office of Weights and Measures, NMI, 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 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:	MP3288
Mailing Address:	1701 W MADISON	Date Received:	10/15/13
City, State, Zip:	SIOUX FALLS, SD 57104	Date tested:	10/16/13
Manufacturer:		Condition of Cart:	Poor
Serial Number:	NA	Temperature (c):	23.0
Test Method Used	SOP 33/ Double Sub.	Humidity:	40.0%
Nominal (lb):	3000	Pressure (mm/Hg):	716.4
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=2)
-0.79	0.14	0.13

The weight cart was cleaned and painted (if needed) and 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 were adjusted as close as possible to the full/reference marks. Liquid 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.

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 and have known values. The assigned test number provides documented evidence for measurement traceability



 Ron Peterson, Metrologist

10/17/2013

 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 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:	MP3288
Mailing Address:	1701 W MADISON	Date Received:	10/15/13
City, State, Zip:	SIOUX FALLS, SD 57104	Date tested:	10/16/13
Artifacts Submitted	1000 lb Bulk Weights	Condition of Weights:	Good
Manufacturer:	NA	Temperature (c):	20.8
Test Method Used:	SOP 8/ MODIFIED SUB	Humidity:	41.0%
Equipment Used:	Russell Balance/ Vaisala PTU301	Pressure (mm/Hg):	715.8

Treatment of artifacts prior to testing: Thermal equilibrium time/conditions were obtained by placing the artifacts in the lab overnight.

Compliance Statement: These weights and associated uncertainties were evaluated against NIST Handbook 105-1 NIST Class F tolerances and the weights were within tolerance at the time of calibration.

Standards Used: SD Lab 1000 Lb Working Standard.

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

Nominal Value	Serial Number	Tolerance=0.10 lb	Uncertainty/lb= 0.025 (K=2)
		As Received lb	As Left lb
1000 lb	01	0.025	0.025
1000 lb	02	-0.016	-0.016
1000 lb	03	-0.028	-0.028
1000 lb	04	-0.011	-0.011
1000 lb	05	0.032	0.032
1000 lb	06	-0.089	0.019
1000 lb	07	-0.002	-0.002
1000 lb	08	0.040	0.040
1000 lb	09	0.078	0.007
1000 lb	10	-0.011	-0.011
1000 lb	11	0.005	0.005
1000 lb	12	0.058	0.058
1000 lb	13	0.135	0.135
1000 lb	14	0.116	0.116
1000 lb	15	-0.038	-0.038
1000 lb	16	-0.027	-0.027
1000 lb	17	-0.057	0.057
1000 lb	19	0.009	0.009
1000 lb	21	0.075	0.075
1000 lb	23	-0.040	-0.040
1000 lb	24	0.018	0.018
1000 lb	25	0.133	0.008


 Ron Peterson, Metrologist

10/17/2013
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SOUTH DAKOTA 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:	MP3288
Mailing Address:	1701 W MADISON	Date Received:	10/15/13
City, State, Zip:	SIOUX FALLS, SD 57104	Date tested:	10/16/13
Artifacts Submitted	1000 lb Bulk weights	Condition of Weights:	Good
Manufacturer:	NA	Temperature (c):	20.8
Test Method Used:	SOP 8/ MODIFIED SUB	Humidity:	41.0%
Equipment Used:	Russell Balance/ Vaisala PTU301	Pressure (mm/Hg):	715.8

Treatment of artifacts prior to testing: Thermal equilibrium time/conditions were obtained by placing the artifacts in the lab overnight.

Compliance Statement: These weights and associated uncertainties were evaluated against NIST Handbook 105-1 NIST Class F tolerances and the weights were within tolerance at the time of calibration.

Standards Used: SD Lab 1000 lb Working Standard.

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

Nominal Value	Serial Number	Tolerance=0.10 lb As Received lb	Uncertainty/lb= 0.025 As Left lb	(K=2)
1000 lb	26	-0.048	-0.480	
1000 lb	R17	0.162	0.000	
1000 lb	122	0.042	0.042	


 Ron Peterson, Metrologist

10/17/2013
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Office: 118 West Capitol Avenue Phone: 605-773-3697

Pierre, SD 57501

Submitted by:	K-SCALE	Report Number:	MP3288
Mailing Address:	1701 W MADISON	Date Received:	10/15/13
City, State, Zip:	SIOUX FALLS, SD 57104	Date tested:	10/16/13
Weight Kit Serial No	NA	Condition of Weights:	Good
Manufacturer:	NA	Temperature (c):	20.3
Test Method Used:	SOP 8/ MODIFIED SUB	Humidity:	45.6%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	715.6

Treatment of artifacts prior to testing: Thermal equilibrium time/conditions were obtained by placing the artifacts in the lab overnight.

Compliance Statement: These weights and associated uncertainties were evaluated against NIST Handbook 105-1 NIST Class F tolerances and the weights were within tolerance at the time of calibration. Several weights did not meet the handbook 105-1 design requirements and were rejected. The applicable portion of HB 105-1 is included.

Standards Used: SD Lab 50 Lb Working Standard.

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

Nominal=50 lb	As	As	Tolerance-mg	Uncertainty-mg (K=2)
	Received (mg)	Left (mg)	2300	262
Serial Number				
20	-410	-410		
97	-960	-960		
1	-1670	-1670		
2	265	265		
13	475	475		
48	170	170		
6	335	335		
44	535	535		
4	-540	-540		
34	-725	-725		
7	-1260	-1260		
21	-535	-535		
9	-260	-260		
40	-30	-30		
41	-450	-450		
91	-1110	-1110		
24	-1130	-1130		


Ron Peterson, Metrologist

10/17/2013
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Office: 118 West Capitol Avenue Phone: 605-773-3697

Pierre, SD 57501

Submitted by:	K-SCALE	Report Number:	MP3288
Mailing Address:	1701 W MADISON	Date Received:	10/15/13
City, State, Zip:	SIOUX FALLS, SD 57104	Date tested:	10/16/13
Weight Kit Serial No	NA	Condition of Weights:	Good
Manufacturer:	NA	Temperature (c):	20.3
Test Method Used:	SOP 8/ MODIFIED SUB	Humidity:	45.6%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	715.6

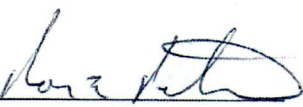
Treatment of artifacts prior to testing: Thermal equilibrium time/conditions were obtained by placing the artifacts in the lab overnight.

Compliance Statement: These weights and associated uncertainties were evaluated against NIST Handbook 105-1 NIST Class F tolerances and the weights were within tolerance at the time of calibration. Several weights did not meet the handbook 105-1 design requirements and were rejected. The applicable portion of HB 105-1 is included.

Standards Used: SD Lab 50 Lb Working Standard.

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

Nominal=50 lb	As Received (mg)	As Left (mg)	Tolerance-mg 2300	Uncertainty-mg (K=2) 262
Serial Number				
28	610	610		
51	105	105		
32	550	550		
10	-1780	-320		
11	-3505	-620		
333	1005	1005		
14	-85	-85		
25	-630	-630		
17	1215	1215		
321	-305	-305		
18	-950	-950		
99	1015	1015		
98	710	710		
22	-1045	-1045		
5	-1380	-1380		


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10/17/2013
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Office: 118 West Capitol Avenue Phone: 605-773-3697

Pierre, SD 57501

Submitted by:	K-SCALE	Report Number:	MP3288
Mailing Address:	1701 W MADISON	Date Received:	10/15/13
City, State, Zip:	SIOUX FALLS, SD 57104	Date tested:	10/16/13
Weight Kit Serial No:		Condition of Weights:	Good
Manufacturer:	NA	Temperature (c):	20.9
Test Method Used:	SOP 8/ MODIFIED SUB	Humidity:	48.4%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	714.3

Treatment of artifacts prior to testing: Thermal equilibrium time/conditions were obtained by placing the artifacts in the lab overnight.

Compliance Statement: These weights and associated uncertainties were evaluated against NIST Handbook 105-1 NIST Class F tolerances and the weights were within tolerance at the time of calibration. Several weights did not meet the handbook 105-1 design requirements and were rejected. The applicable portion of HB 105-1 is included.

Standards Used: SD Lab 25 Lb Working Standard.

The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may

NOMINAL=25 lb	As	As	Tolerance-mg	Uncertainty-mg/k=2
Serial Number	Received (mg)	Left (mg)	1100	131
1PJG	820	820	1100	131
1PJ9	1495	625	1100	131
1PJ8	125	125	1100	131
1PJF	930	520	1100	131
1PJW	1070	375	1100	131
1PKN	45	45	1100	131
1PKJ	-420	-420	1100	131
1PJQ	140	140	1100	131
1PJH	1110	395	1100	131
1PK4	380	380	1100	131
1PKD	510	510	1100	131
1PKH	215	215	1100	131
1PJP	725	725	1100	131
1PJ4	785	785	1100	131
1PK0	950	450	1100	131
1PJX	570	570	1100	131
1PKE	10	10	1100	131
1PJJ	120	120	1100	131
1PK8	-60	-60	1100	131
1PJZ	735	735	1100	131
JPJ8	405	405	1100	131
1PK	130	130	1100	131


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Pierre, SD 57501

Submitted by:	K-SCALE	Report Number:	MP3288
Mailing Address:	1701 W MADISON	Date Received:	10/15/13
City, State, Zip:	SIOUX FALLS, SD 57104	Date tested:	10/16/13
Weight Kit Serial No:	081500C	Condition of Weights:	Good
Kit Manufacturer:	Rice Lake	Temperature (c):	20.6
Test Method Used:	SOP 8/ MODIFIED SUB	Humidity:	47.1%
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	717.1

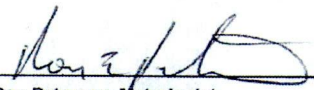
Treatment of artifacts prior to testing: Thermal equilibrium time/conditions were obtained by placing the artifacts in the lab for a period of time.

Compliance Statement: These weights and associated uncertainties were evaluated against NIST Handbook 105-1 NIST Class F tolerances and the weights were within tolerance at the time of calibration.

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

Nominal	Identifier	Cx (mg)	Tolerance/mg	Uncertainty-mg/k=2
5 lb	9	30	230	16
2 lb	5	12	91	11
2 lb	6	30	91	11
1 lb	4	11.2	70	6.7
0.5 lb	3	3.8	45	4.9
0.2 lb	1	8.6	18	1.4
0.2 lb	2	8.3	18	1.4
0.1 lb		8.35	9.1	0.60
0.05 lb		2.43	4.5	0.39
0.02 lb		1.48	1.8	0.26
0.02 lb		0.96	1.8	0.26
0.01 lb	missing		1.5	0.17
0.005 lb		0.79	1.2	0.11
0.002 lb		0.44	0.87	0.14
0.002 lb		0.63	0.87	0.14
0.001 lb		-0.04	0.7	0.15


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Mailing Address:	1701 W MADISON	Date Received:	10/15/13
City, State, Zip:	SIOUX FALLS, SD 57104	Date tested:	10/16/13
Weight Kit Serial No:	081500B	Condition of Weights:	Good
Kit Manufacturer:	Rice Lake	Temperature (c):	20.5
Test Method Used:	SOP 8/ MODIFIED SUB	Humidity:	47.0%
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	717.1


Treatment of artifacts prior to testing: Thermal equilibrium time/conditions were obtained by placing the artifacts in the lab for a period of time.

Compliance Statement: These weights and associated uncertainties were evaluated against NIST Handbook 105-1 NIST Class F tolerances and the weights were within tolerance at the time of calibration.

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

Nominal	Identifier	Cx (mg)	Tolerance/mg	Uncertainty-mg/k=2
10 lb	1	-135	450	30
10 lb		-115	450	30
5 lb		28	230	16
1 lb	1	-5.8	70	6.7
1 lb	2	0.2	70	6.7
1 lb	3	6.2	70	6.7
1 lb	4	-20.8	70	6.7
1 lb	5	15.2	70	6.7
4 oz	1	7.4	23	1.5
4 oz	2	10.8	23	1.5
4 oz	3	0.2	23	1.5
1 oz	1	1.27	5.4	0.38
1 oz	2	2.35	5.4	0.38
1 oz	3	1.77	5.4	0.38
1/2 oz		1.34	2.8	0.29
1/2 oz		0.21	2.8	0.29
1/4 oz		0.80	1.7	0.16
1/4 oz		0.02	1.7	0.16


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Mailing Address:	1701 W MADISON	Date Received:	10/15/13
City, State, Zip:	SIOUX FALLS, SD 57104	Date tested:	10/16/13
Weight Kit Serial No:	081910A	Condition of Weights:	Good
Kit Manufacturer:	Rice Lake	Temperature (c):	21.1
Test Method Used:	SOP 8/ MODIFIED SUB	Humidity:	44.3%
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	717.3

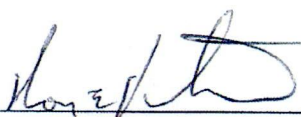
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Nominal	Identifier	Cx (mg)	Tolerance/mg	Uncertainty-mg/k=2
10 lb		123	450	30
10 lb		132	450	30
5 lb		82	230	16
2 lb		34	91	11
2 lb		28	91	11
1 lb		10.2	70	6.7
8 oz		10.8	45	4.9
0.2 lb		0.5	18	1.4
0.2 lb		3.3	18	1.4
0.1 lb		2.87	9.1	0.60
0.05 lb		1.50	4.5	0.39
0.02 lb		0.46	1.8	0.26
0.02 lb		0.43	1.8	0.26
0.01 lb		0.65	1.5	0.17
0.005 lb		0.48	1.2	0.11
0.002 lb		0.24	0.87	0.14
0.002 lb		0.33	0.87	0.14
0.001 lb		0.41	0.7	0.15
200 g		1.67	40	3.30


 Ron Peterson, Metrologist

10/17/2013
 Date of Report

SOUTH DAKOTA 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:	MP3288
Mailing Address:	1701 W MADISON	Date Received:	10/15/13
City, State, Zip:	SIOUX FALLS, SD 57104	Date tested:	10/16/13
Weight Kit Serial No:	20BD	Condition of Weights:	Good
Kit Manufacturer:	Rice Lake	Temperature (c):	20.7
Test Method Used:	SOP 8/ MODIFIED SUB	Humidity:	46.2%
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	717.3

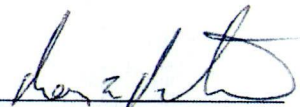
Treatment of artifacts prior to testing: Thermal equilibrium time/conditions were obtained by placing the artifacts in the lab overnight.

Compliance Statement: These weights and associated uncertainties were evaluated against NIST Handbook 105-1 NIST Class F tolerances and the weights were within tolerance at the time of calibration.

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

Nominal	Identifier	Cx (mg)	Tolerance/mg	Uncertainty-mg/k=2
5 kg		132	500	31
2 kg		86	200	14
2 kg		91	200	14
1 kg		55.1	100	7.5
500 g		26.5	70	5.7
200 g		17.5	40	3.3
200 g		16.8	40	3.3
100 g		9.1	20	1.3
50 g		2.8	10	0.66
20 g		0.88	4	0.27
20 g		0.76	4	0.27
10 g		0.63	2	0.17
5 g		0.14	1.5	0.12
2 g		0.46	1.1	0.10
2 g		0.29	1.1	0.10
1 g			0.9	0.08


 Ron Peterson, Metrologist

10/17/2013
 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 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:	MP3288
Mailing Address:	1701 W MADISON	Date Received:	10/15/13
City, State, Zip:	SIOUX FALLS, SD 57104	Date tested:	10/16/13
Weight Kit Serial No:	080602B	Condition of Weights:	Good
Kit Manufacturer:	Rice Lake	Temperature (c):	20.7
Test Method Used:	SOP 8/ MODIFIED SUB	Humidity:	46.8%
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	717.3


Treatment of artifacts prior to testing: Thermal equilibrium time/conditions were obtained by placing the artifacts in the lab overnight.

Compliance Statement: These weights and associated uncertainties were evaluated against NIST Handbook 105-1 NIST Class F tolerances and the weights were within tolerance at the time of calibration.

Standards Used: SD Lab Working Standards.

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Nominal	Identifier	Cx (mg)	Tolerance/mg	Uncertainty-mg/k=2
2 kg	1	87	200	14
2 kg	2	90	200	14
2 kg	3	78	200	14
2 kg	4	88	200	14
2 kg	5	74	200	14
1 kg		43.1	100	7.5
500 g	1	33.5	70	5.7
500 g	2	30.5	70	5.7
500 g	3	16.5	70	5.7
500 g	4	30.5	70	5.7
500 g	5	31.5	70	5.7
200 g		13.0	40	3.3
200 g		10.5	40	3.3
100 g		2.0	20	1.3
50 g		4.17	10	0.66
20 g		1.21	4	0.27
20 g		1.77	4	0.27
10 g		0.93	2	0.17
5 g		0.86	1.5	0.12
2 g		0.01	1.1	0.10
2 g		0.47	1.1	0.10
1 g		-0.44	0.9	0.08


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 Pierre, SD 57501

Submitted by:	K-SCALE	Report Number:	MP3288
Mailing Address:	1701 W MADISON	Date Received:	10/15/13
City, State, Zip:	SIOUX FALLS, SD 57104	Date tested:	10/16/13
Weight Kit Serial No:	01AY	Condition of Weights:	Good
Kit Manufacturer:	Rice Lake	Temperature (c):	20.7
Test Method Used:	SOP 8/ MODIFIED SUB	Humidity:	45.7%
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	717.3

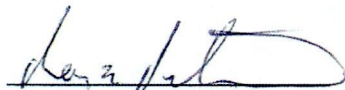
Treatment of artifacts prior to testing: Thermal equilibrium time/conditions were obtained by placing the artifacts in the lab.

Compliance Statement: These weights and associated uncertainties were evaluated against NIST Handbook 105-1 NIST Class F tolerances and the weights were within tolerance at the time of calibration.

Standards Used: SD Lab Working Standards.

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Nominal	Identifier	Cx (mg)	Tolerance/mg	Uncertainty-mg/k=2
2 kg		95	200	14
1 kg		44.1	100	7.5
500 g		34.5	70	5.7
200 g		16.1	40	3.3
200 g		15.4	40	3.3
100 g		7.4	20	1.3
50 g		3.74	10	0.66
20 g		0.78	4	0.27
20 g		1.02	4	0.27
10 g	missing		2	0.17
5 g		0.38	1.5	0.12
2 g		0.13	1.1	0.10
2 g		0.25	1.1	0.10
1 g		-0.56	0.9	0.08


 Ron Peterson, Metrologist

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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:	MP3288
Mailing Address:	1701 W MADISON	Date Received:	10/15/13
City, State, Zip:	SIOUX FALLS, SD 57104	Date tested:	10/16/13
Weight Kit Serial No:	101513A	Condition of Weights:	Fair
Kit Manufacturer:	Rice Lake	Temperature (c):	20.3
Test Method Used:	SOP 8/ MODIFIED SUB	Humidity:	46.2%
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	715.5

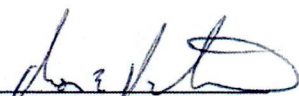
Treatment of artifacts prior to testing: Thermal equilibrium time/conditions were obtained by placing the artifacts in the lab overnight.

Compliance Statement: These weights and associated uncertainties were evaluated against NIST Handbook 105-1 NIST Class F tolerances and the weights were within tolerance at the time of calibration.

Standards Used: SD Lab Working Standards.

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Nominal	Identifier	Cx (mg)	Tolerance/mg	Uncertainty-mg/k=2
5 lb	.	67	230	16
5 lb	..	14	230	16
5 lb	...	63	230	16
5 lb	42	230	16
5 lb	1479	6	230	16
1 lb	.	32.2	70	6.7
1 lb	..	5.2	70	6.7
1 lb	...	-20.8	70	6.7
1 lb	28.2	70	6.7
8 oz	8	10.8	45	4.9


 Ron Peterson, Metrologist

10/17/2013
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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:	MP3288
Mailing Address:	1701 W MADISON	Date Received:	10/15/13
City, State, Zip:	SIOUX FALLS, SD 57104	Date tested:	10/16/13
Weight Kit Serial No:	101513B	Condition of Weights:	Good
Kit Manufacturer:	Rice Lake	Temperature (c):	20.3
Test Method Used:	SOP 8/ MODIFIED SUB	Humidity:	46.4%
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	715.3

Treatment of artifacts prior to testing: Thermal equilibrium time/conditions were obtained by placing the artifacts in the lab overnight.

Compliance Statement: These weights and associated uncertainties were evaluated against NIST Handbook 105-1 NIST Class F tolerances and the weights were within tolerance at the time of calibration.

Standards Used: SD Lab Working Standards.

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Nominal	Identifier	Cx (mg)	Tolerance/mg	Uncertainty-mg/k=2
2 lb	4	-4.7	91	11
2 lb	..	-53	91	11
0.5 lb		-18.2	45	4.9
0.3 lb		9.8	27	1.9
4 oz	1	13.2	23	1.5
4 oz	2	-6.0	23	1.5
0.1 lb		6.05	9.1	0.60


Ron Peterson, Metrologist

10/17/2013
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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:	MP3288
Mailing Address:	1701 W MADISON	Date Received:	10/15/13
City, State, Zip:	SIOUX FALLS, SD 57104	Date tested:	10/16/13
Weight Kit Serial No:	101513C	Condition of Weights:	Fair
Kit Manufacturer:	Rice Lake	Temperature (c):	20.2
Test Method Used:	SOP 8/ MODIFIED SUB	Humidity:	46.2%
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	715.6


Treatment of artifacts prior to testing: Thermal equilibrium time/conditions were obtained by placing the artifacts in the lab overnight.

Compliance Statement: These weights and associated uncertainties were evaluated against NIST Handbook 105-1 NIST Class F tolerances and the weights were within tolerance at the time of calibration.

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

Nominal	Identifier	Cx (mg)	Tolerance/mg	Uncertainty-mg/k=2
2 lb	1	-34	91	11
2 lb	3	-64	91	11
12 oz		17.6	88	5.2
8 oz	1343	-5.2	45	4.9
8 oz	4	5.8	45	4.9
8 oz	6	14.8	45	4.9


Ron Peterson, Metrologist

10/17/2013
Date of Report

SOUTH DAKOTA 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:	MP3288
Mailing Address:	1701 W MADISON	Date Received:	10/15/13
City, State, Zip:	SIOUX FALLS, SD 57104	Date tested:	10/16/13
Weight Kit Serial No:	Loose	Condition of Weights:	Fair
Kit Manufacturer:	Rice Lake	Temperature (c):	20.6
Test Method Used:	SOP 8/ MODIFIED SUB	Humidity:	47.1%
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	717.1

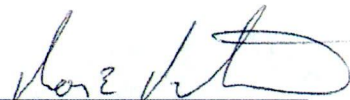
Treatment of artifacts prior to testing: Thermal equilibrium time/conditions were obtained by placing the artifacts in the lab overnight.

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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

Nominal	Identifier	Cx (mg)	Tolerance/mg	Uncertainty-mg/k=2
5 lb	9	-179	230	16
3 lb	5	-33	140	12
10 lb		38	450	30


Ron Peterson, Metrologist

10/17/2013
Date of Report

