

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: MP3426
DATE OF REPORT: 02/23/2016
DATE RECEIVED: 02/22/2016
DATE OF TEST: 02/23/2016

Submitted By: Prairie Scale Systems Inc (Unit 739)
Contact: Cooper Anderson
Mailing Address: PO Box 69
City, State, Zip: Horace ND, 58047
Phone: 701-281-9591
S/A Number: 131

Standards Submitted:

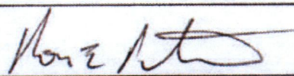
- 18 - 50 lb weights
- 8 - 1000 lb weights
- 2 - 1000 lb baskets
- 2 - 4000 lb carts

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

Traceability statement:

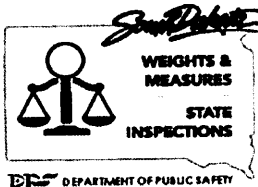
The Standards of the SD Metrology Laboratory used for comparison are traceable to the International System of Units (SI) through the National Institute of Standards and Technology. The laboratory test number identified above is the unique report number to be used in referencing measurement traceability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

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Ron Peterson, Metrologist



02/23/16
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:	Prairie Scale Systems Inc (Unit 739)	Report Number:	MP3426
Mailing Address:	PO Box 69	Date Received:	02/22/16
City, State, Zip:	Horace ND, 58047	Date tested:	02/23/16
Manufacturer:	Prairie Scale Systems Inc	Condition of Cart:	NEW
Serial Number:	PSS-16-C1-4K	Temperature (c):	20.0
Test Method Used:	SOP 33 Calibrations of Weight Carts, Sep 2014	Humidity:	40.0%
Nominal (lb):	4000	Pressure (mm/Hg):	717.4
Tolerance (lb):	1.25		

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)
5.61	-0.02	0.26

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

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

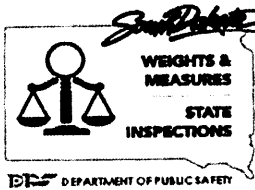
The above weight cart was compared with standards of the State of South Dakota, which are traceable the National Institute of Standards and Technology(NIST) Weights and Measures Division. The assigned test number provides documented evidence for measurement traceability.



Ron Peterson, Metrologist

02/23/2016

Date of Report



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Pierre SD 57501

Submitted by:	Prairie Scale Systems Inc (Unit 739)	Report Number:	MP3426
Mailing Address:	PO Box 69	Date Received:	02/22/16
City, State, Zip:	Horace ND, 58047	Date tested:	02/23/16
Manufacturer:	Prairie Scale Systems Inc	Condition of Cart:	NEW
Serial Number:	PSS-16-C1-4K	Temperature (c):	20.0
Test Method Used:	SOP 33 Calibrations of Weight Carts, Sep 2014	Humidity:	40.0%
Nominal (lb):	4000	Pressure (mm/Hg):	717.2
Tolerance (lb):	1.25		

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)
6.03	-0.03	0.26

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

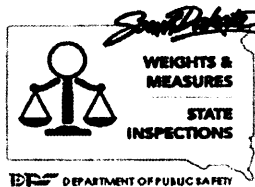
Test equipment used include recently calibrated weights and a Sartorius PR 6246/33 load cell.

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



Ron Peterson, Metrologist

02/23/2016
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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:	Prairie Scale Systems Inc (Unit 739)	Report Number:	MP3426
Mailing Address:	PO Box 69	Date Received:	02/22/16
City, State, Zip:	Horace ND. 58047	Date tested:	02/23/16
Artifacts Submitted	8 - 1000 lb weights 2 - 1000 lb baskets	Condition of Weights:	GOOD
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Temperature (c):	21.3
Equipment Used:	Russell Balance/ Vaisala PTU301	Humidity:	48.3
		Pressure (mm/Hg):	718.1

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.

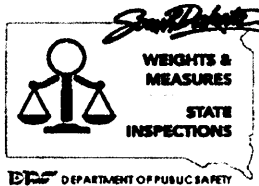
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in 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	1K-19	-0.140 lb -63.8 g	0.003 lb 1.6 g	45 g	6.8 g	2.03
1000 lb	1K-20	-0.093 lb -42.3 g	0.004 lb 1.7 g	45 g	6.8 g	2.03
1000 lb	1K-21	-0.193 lb -87.6 g	0.005 lb 2.1 g	45 g	6.8 g	2.03
1000 lb	1K-22	0.058 lb 26.4 g	0.003 lb 1.5 g	45 g	6.8 g	2.03
1000 lb	1K-23	-0.096 lb -43.7 g	0.002 lb 0.8 g	45 g	6.8 g	2.03
1000 lb	1K-24	-0.551 lb -250.0 g	0.004 lb 1.8 g	45 g	6.8 g	2.03
1000 lb	1K-25	-0.204 lb -92.5 g	0.002 lb 1.1 g	45 g	6.8 g	2.03
1000 lb	1K-26	-0.116 lb -52.8 g	0.001 lb 0.6 g	45 g	6.8 g	2.03
1000 lb	PSS-16-B1-1K		0.021 lb 9.7 g	45 g	6.8 g	2.03
1000 lb	PSS-16-B2-1K		0.003 lb 1.3 g	45 g	6.8 g	2.03

Ron Peterson, Metrologist

02/23/2016
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Submitted by:	Prairie Scale Systems Inc (Unit 739)	Report Number:	MP3426
Mailing Address:	PO Box 69	Date Received:	02/22/16
City, State, Zip:	Horace ND, 58047	Date tested:	02/23/16
Artifacts Submitted	50 lb test weights	Condition of Weights:	GOOD
		Temperature (c):	20.9
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	50.4%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	717.4

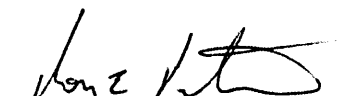
Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight.

Standards Used: SD Lab Working Standards.

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

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

Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	K
50 lb	17-86-1	-1039 mg		2300 mg	284 mg	2.04
50 lb	15	871 mg		2300 mg	284 mg	2.04
50 lb	42	951 mg		2300 mg	284 mg	2.04
50 lb	44	-1079 mg		2300 mg	284 mg	2.04
50 lb	64	-614 mg		2300 mg	284 mg	2.04
50 lb	65	2791 mg	26 mg	2300 mg	284 mg	2.04
50 lb	66	1566 mg	-4 mg	2300 mg	284 mg	2.04
50 lb	67	1571 mg	-29 mg	2300 mg	284 mg	2.04
50 lb	68	1846 mg	96 mg	2300 mg	284 mg	2.04
50 lb	69	486 mg		2300 mg	284 mg	2.04
50 lb	70	2756 mg	88 mg	2300 mg	284 mg	2.04
50 lb	71	746 mg		2300 mg	284 mg	2.04
50 lb	72	471 mg		2300 mg	284 mg	2.04
50 lb	74	1556 mg	181 mg	2300 mg	284 mg	2.04
50 lb	75	1636 mg	21 mg	2300 mg	284 mg	2.04
50 lb	76	2371 mg	-29 mg	2300 mg	284 mg	2.04
50 lb	78	1786 mg	26 mg	2300 mg	284 mg	2.04
50 lb	80	-279 mg		2300 mg	284 mg	2.04


Ron Peterson, Metrologist

02/23/2016

Date of Report

Receipt Date: May 28, 2015
Test Date: June 1, 2015
Report Date: June 1, 2015

State Test No.: 334310
Set Serial No.: Individual/None
Barcode: 202777

Calibration Report

PRAIRIE SCALES SYSTEMS
P.O. BOX 69
HORACE, ND 58047

Contact: VERN ANDERSON
Phone: 701-281-9373
PO Number: NONE
SOP: 12
Technician ID: 11

Item(s) Submitted: Cast Cube Weights
Manufacturer: Rice Lake
ASTM E617 Type: II
Equipment ID#: None
Condition: Good
Temperature: 21.6°C
Pressure: 743.1 mmHg
Relative Humidity: 42. %


Nominal Value	Serial No.	Correction (g)		NIST HB105-1 Class		Unc. (g) (k=2)
		As Found	As Left	As Found	As Left	
1000 lb	None	-63.	0.	*	F	5.
1000 lb	6	-72.	-1.	*	F	5.
1000 lb	None	-10.	-10.	F	F	5.
1000 lb	None	-14.	-14.	F	F	5.
1000 lb	None	-38.	-38.	F	F	5.
1000 lb	None	22.	22.	F	F	5.
1000 lb	11	-33.	-33.	F	F	5.
1000 lb	12	-28.	-28.	F	F	5.

* Weight(s) as found exceed NIST HB 105-1 Class F tolerance.

When used as a set these weights meet NIST HB 105-1 class F tolerances.

The resulting tolerance class of the weight is determined by combining the correction of the weight and the uncertainty of the measurement. The corrections given above correlate to a conventional mass scale versus 8.0 g/cm³ density and an air density of 1.2 mg/cm³. The items listed above have been compared to the Standards of the State of Minnesota which are currently in control. These standards are traceable to the SI through NIST. Calibration processes were monitored and found to be in control. Uncertainty calculations conform to NIST Technical Note 1297. Results apply to items identified in this report only.

Pete Whebbe



Metrologist

Page 1 of 1

Reviewed by:

Mark Nicollet



Quality Manager



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: MP3414
 DATE OF REPORT: 01/13/2016
 DATE RECEIVED: 01/11/2016
 DATE OF TEST: 01/12-13/2016

Submitted By: Prairie Scale Sytem Inc. (Truck 369)
Contact: Cooper Anderson
Mailing Address: PO Box 69
City, State, Zip: Horace ND, 58047
Phone: 701-281-9591
S/A Number: 131

Standards Submitted:

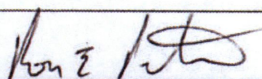
- 1 - 21 piece metric weight kit
- 1 - 21 piece avoirdupois weight kit
- 8 - 1000 lb test weights
- 2 - 1000 lb baskets
- 2 - 4000 lb carts

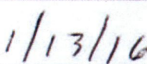
Uncertainty Statement: The combined standard uncertainty includes the standard uncertainty reported for the standard and the standard uncertainty for the measurement process. The combined standard uncertainty is multiplied by a coverage factor *k* to provide an expanded uncertainty which defines an interval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

Traceability statement:

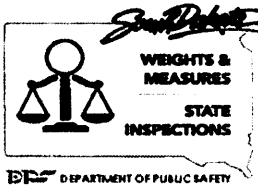
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Ron Peterson, Metrologist


Date





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

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

Submitted by:	Prairie Scale Sytem Inc. (Truck 369)	Report Number:	MP3414
Mailing Address:	PO Box 69	Date Received:	01/11/16
City, State, Zip:	Horace ND, 58047	Date tested:	01/12-13/2016
Manufacturer:	Unknown	Condition of Cart:	GOOD
Serial Number:	PSS-95-C1-4K	Temperature (c):	20.0
Test Method Used:	SOP 33 Calibrations of Weight Carts, Sep 2014	Humidity:	40.0%
Nominal (lb):	4000	Pressure (mm/Hg):	714.0
Tolerance (lb):	1.25		

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As Found (lb)	As Left (lb)	Uncertainty-lb. (K=2)
0.05	0.05	0.26

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

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

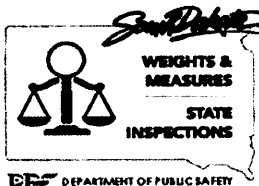
The above weight cart was compared with standards of the State of South Dakota, which are traceable the National Institute of Standards and Technology(NIST) Weights and Measures Division. The assigned test number provides documented evidence for measurement traceability.



Ron Peterson, Metrologist

01/13/2016

Date of Report



**South Dakota Department of Public Safety
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Pierre SD 57501

Submitted by:	Prairie Scale Sytem Inc. (Truck 369)	Report Number:	MP3414
Mailing Address:	PO Box 69	Date Received:	01/11/16
City, State, Zip:	Horace ND, 58047	Date tested:	01/12-13/2016
Manufacturer:	Unknown	Condition of Cart:	GOOD
Serial Number:	PSS-95-C2-4K	Temperature (c):	20.0
Test Method Used:	SOP 33 Calibrations of Weight Carts, Sep 2014	Humidity:	40.0%
Nominal (lb):	4000	Pressure (mm/Hg):	714.0
Tolerance (lb):	1.25		

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)
0.22	0.22	0.26

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.

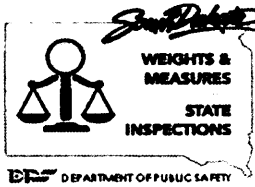
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Submitted by:	Prairie Scale Sytem Inc. (Truck 369)	Report Number:	MP3414
Mailing Address:	PO Box 69	Date Received:	01/11/16
City, State, Zip:	Horace ND, 58047	Date tested:	01/12/16
Artifacts Submitted	4 500 lb test weights	Condition of Weights:	GOOD
		Temperature (c):	20.9
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	49.7
Equipment Used:	Russell Balance/ Vaisala PTU301	Pressure (mm/Hg):	717.9

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.

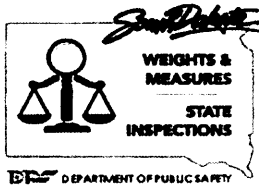
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in 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	1K-03	0.045 lb 20.6 g		45 g	6.8 g	2.03
1000 lb	1K-04	-0.004 lb -1.7 g		45 g	6.8 g	2.03
1000 lb	1K-05	0.073 lb 33.0 g		45 g	6.8 g	2.03
1000 lb	1K-06	0.103 lb 46.6 g	-0.003 lb -1.3 g	45 g	6.8 g	2.03
1000 lb	1K-07	0.040 lb 17.9 g		45 g	6.8 g	2.03
1000 lb	1K-08	0.108 lb 48.9 g	-0.001 lb -0.5 g	45 g	6.8 g	2.03
1000 lb	1K-09	0.061 lb 27.7 g		45 g	6.8 g	2.03
1000 lb	1K-10	0.035 lb 15.8 g		45 g	6.8 g	2.03
1000 lb	PSS-11	0.645 lb 292.4 g	0.048 lb 21.6 g	45 g	6.8 g	2.03
1000 lb	PSS-22	0.429 lb 194.7 g	0.052 lb 23.7 g	45 g	6.8 g	2.03


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Submitted by:	Prairie Scale Sytem Inc. (Truck 369)	Report Number:	MP3414
Mailing Address:	PO Box 69	Date Received:	01/11/16
City, State, Zip:	Horace ND, 58047	Date tested:	01/12/16
Artifacts Submitted	50 lb test weights	Condition of Weights:	GOOD
		Temperature (c):	21.3
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	44.3%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	707.1

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

Standards Used: SD Working Standards.

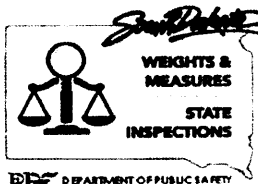
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in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

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

Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	K
50 lb	79	3396 mg	646 mg	2300 mg	284 mg	2.04
50 lb	17832-1	3251 mg	11 mg	2300 mg	284 mg	2.04
50 lb	17833-1	226 mg		2300 mg	284 mg	2.04
50 lb	17834-1	1986 mg	51 mg	2300 mg	284 mg	2.04
50 lb	17835-1	506 mg		2300 mg	284 mg	2.04
50 lb	17836-1	2896 mg	206 mg	2300 mg	284 mg	2.04
50 lb	17838-1	-5079 mg	201 mg	2300 mg	284 mg	2.04
50 lb	17840-1	-614 mg		2300 mg	284 mg	2.04
50 lb	17841-1	1881 mg	311 mg	2300 mg	284 mg	2.04
50 lb	17842-1	1201 mg		2300 mg	284 mg	2.04
50 lb	17843-1	-4689 mg	6 mg	2300 mg	284 mg	2.04
50 lb	17845-1	-1639 mg	156 mg	2300 mg	284 mg	2.04
50 lb	17846-1	2531 mg	326 mg	2300 mg	284 mg	2.04
50 lb	17847-1	3936 mg	451 mg	2300 mg	284 mg	2.04
50 lb	17848-1	-339 mg		2300 mg	284 mg	2.04
50 lb	17849-1	-29 mg		2300 mg	284 mg	2.04
50 lb	17850-1	-5409 mg	351 mg	2300 mg	284 mg	2.04
50 lb	17851-1	-2724 mg	696 mg	2300 mg	284 mg	2.04
50 lb	17852-1	-264 mg		2300 mg	284 mg	2.04
50 lb	17853-1	4181 mg	476 mg	2300 mg	284 mg	2.04


Ron Peterson, Metrologist

01/13/2016
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:	Prairie Scale Sytem Inc. (Truck 369)	Report Number:	MP3414
Mailing Address:	PO Box 69	Date Received:	01/11/16
City, State, Zip:	Horace ND, 58047	Date tested:	01/12/16
Artifacts Submitted	50 lb test weights	Condition of Weights:	GOOD
		Temperature (c):	21.3
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	44.3%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	707.1

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

Standards Used: SD Lab Working Standards.

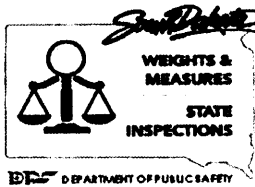
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in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

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

Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	K
50 lb	17854-1	91 mg		2300 mg	284 mg	2.04
50 lb	17855-1	-2864 mg	166 mg	2300 mg	284 mg	2.04
50 lb	17857-1	2851 mg	51 mg	2300 mg	284 mg	2.04
50 lb	17858-1	2561 mg	-19 mg	2300 mg	284 mg	2.04
50 lb	17859-1	-1814 mg	656 mg	2300 mg	284 mg	2.04
50 lb	17860-1	1396 mg	41 mg	2300 mg	284 mg	2.04
50 lb	17861-1	2361 mg	71 mg	2300 mg	284 mg	2.04
50 lb	17862-1	5406 mg	606 mg	2300 mg	284 mg	2.04
50 lb	17863-1	-849 mg		2300 mg	284 mg	2.04
50 lb	17864-1	1346 mg	211 mg	2300 mg	284 mg	2.04
50 lb	17865-1	-804 mg		2300 mg	284 mg	2.04
50 lb	17866-1	-824 mg		2300 mg	284 mg	2.04
50 lb	17867-1	1811 mg	486 mg	2300 mg	284 mg	2.04
50 lb	17868-1	-3054 mg	6 mg	2300 mg	284 mg	2.04
50 lb	17869-1	3976 mg	-119 mg	2300 mg	284 mg	2.04
50 lb	17869-1	761 mg		2300 mg	284 mg	2.04
50 lb	17870-1	4896 mg	171 mg	2300 mg	284 mg	2.04
50 lb	17871-1	-3959 mg	111 mg	2300 mg	284 mg	2.04
50 lb	17877-1	-704 mg		2300 mg	284 mg	2.04
50 lb	17884-1	8766 mg	76 mg	2300 mg	284 mg	2.04


Ron Peterson, Metrologist

01/13/2016
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:	Prairie Scale Sytem Inc. (Truck 369)	Report Number:	MP3414
Mailing Address:	PO Box 69	Date Received:	01/11/16
City, State, Zip:	Horace ND, 58047	Date tested:	01/12-13/2016
Artifacts Submitted	21 piece lb kit	Condition of Weights:	GOOD
	SN 1501058	Temperature (c):	20.6
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	46.3
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	708.5

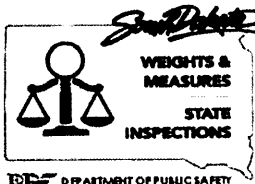
Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight.
Standards Used: SD Lab Working Standards.
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may 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
5 lb	1	53 mg		230 mg	28 mg	2.05
5 lb	2	33 mg		230 mg	28 mg	2.05
5 lb	3	43 mg		230 mg	28 mg	2.05
5 lb	4	42.1 mg		230 mg	27.8 mg	2.05
5 lb	5	55.1 mg		230 mg	27.8 mg	2.05
1 lb	1	18.6 mg		70 mg	8.5 mg	2.05
1 lb	2	21.6 mg		70 mg	8.5 mg	2.05
1 lb	3	15.6 mg		70 mg	8.5 mg	2.05
1 lb	4	14.6 mg		70 mg	8.5 mg	2.05
1 lb	5	8.6 mg		70 mg	8.5 mg	2.05
0.5 lb		8.1 mg		45 mg	5.5 mg	2.05
0.2 lb		2.52 mg		18 mg	2.19 mg	2.06
0.2 lb		8.54 mg		18 mg	2.19 mg	2.06
0.1 lb		1.52 mg		9.1 mg	1.11 mg	2.08
0.05 lb		1.69 mg		4.5 mg	0.55 mg	2.06
0.02 lb		-0.56 mg		1.8 mg	0.22 mg	2.08
0.02 lb		-0.16 mg		1.8 mg	0.22 mg	2.06
0.01 lb		0.45 mg		1.5 mg	0.19 mg	2.06
0.005 lb		0.58 mg		1.2 mg	0.18 mg	2.06
0.002 lb		0.37 mg		0.87 mg	0.11 mg	2.06
0.001 lb		0.48 mg		0.7 mg	0.10 mg	2.06



Ron Peterson, Metrologist

01/13/2016
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:	Prairie Scale Sytem Inc. (Truck 369)	Report Number:	MP3414
Mailing Address:	PO Box 69	Date Received:	01/11/16
City, State, Zip:	Horace ND, 58047	Date tested:	01/13/16
Artifacts Submitted	21 piece metric kit	Condition of Weights:	GOOD
	SN 150105C	Temperature (c):	20.6
Test Method Used:	SOP 8/ MODIFIED SUB. Sep 2014	Humidity:	45.9
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	708.8

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
1 kg	1	16 mg		100 mg	12 mg	2.06
1 kg	2	20 mg		100 mg	12 mg	2.06
500 g		15 mg		70 mg	8.6 mg	2.06
200 g	1	7.0 mg		40 mg	5.0 mg	2.06
200 g	2	12.5 mg		40 mg	5.0 mg	2.06
100 g		7.0 mg		20 mg	2.4 mg	2.06
50 g		4.8 mg		10 mg	1.2 mg	2.06
20 g		1.45 mg		4 mg	0.49 mg	2.05
20 g		1.32 mg		4 mg	0.49 mg	2.05
10 g		1.23 mg		2 mg	0.25 mg	2.05
5 g		0.44 mg		1.5 mg	0.39 mg	2.06
2 g		0.66 mg		1.1 mg	0.14 mg	2.06
2 g		0.33 mg		1.1 mg	0.14 mg	2.06
1 g		0.78 mg		0.9 mg	0.12 mg	2.06
500 mg		0.38 mg		0.72 mg	0.09 mg	2.06
200 mg		0.22 mg		0.54 mg	0.08 mg	2.06
200 mg		0.05 mg		0.54 mg	0.08 mg	2.06
100 mg		0.24 mg		0.43 mg	0.08 mg	2.06
50 mg		0.13 mg		0.35 mg	0.06 mg	2.07
20 mg		0.04 mg		0.26 mg	0.09 mg	2.06
10 mg		-0.02 mg		0.21 mg	0.07 mg	2.06

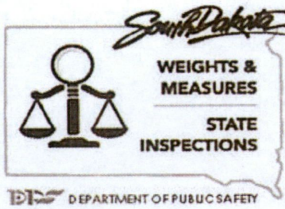
End of Report


Ron Peterson, Metrologist

01/13/2016
Date of Report

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

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



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

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



REPORT OF CALIBRATION

LAB TEST NUMBER: MP3422
DATE OF REPORT: 02/02/2016
DATE RECEIVED: 02/01/2016
DATE OF TEST: 02/02/2016

Submitted By: Prairie Scale Sytem Inc. (Truck unit 950)
Contact: Cooper Anderson
Mailing Address: PO Box 69
City, State, Zip: Horace ND, 58047
Phone: 701-281-9591
S/A Number: 131

Standards Submitted:

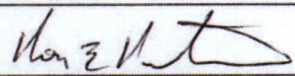
2 - 4000 lb Carts	1 - 5 kg test weight
2 - 1000 lb baskets	1 - 20 lb test weight
8 - 1000 lb weights	3 - kits
40 - 50 lb test weights	

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.

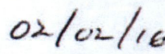
Traceability statement:

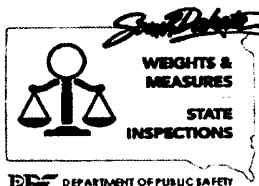
The Standards of the SD Metrology Laboratory used for comparison are traceable to the International System of Units (SI) through the National Institute of Standards and Technology. The laboratory test number identified above is the unique report number to be used in referencing measurement traceability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




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:	Prairie Scale Sytem Inc. (Truck unit 950)	Report Number:	MP3422
Mailing Address:	PO Box 69	Date Received:	02/01/16
City, State, Zip:	Horace ND, 58047	Date tested:	02/02/16
Manufacturer:	Unknown	Condition of Cart:	GOOD
Serial Number:	PSS-13-C1-4K	Temperature (c):	20.0
Test Method Used:	SOP 33 Calibrations of Weight Carts, Sep 2014	Humidity:	40.0%
Nominal (lb):	4000	Pressure (mm/Hg):	713.3
Tolerance (lb):	1.25		

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)
-5.76	-0.13	0.26

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

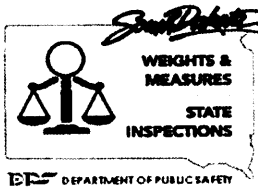
Test equipment used include recently calibrated weights and a Sartorius PR 6246/33 load cell.

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



Ron Peterson, Metrologist

02/02/2016
Date of Report



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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:	Prairie Scale Sytem Inc. (Truck unit 950)	Report Number:	MP3422
Mailing Address:	PO Box 69	Date Received:	02/01/16
City, State, Zip:	Horace ND, 58047	Date tested:	02/02/16
Manufacturer:	Unknown	Condition of Cart:	GOOD
Serial Number:	PSS-13-C2-4K	Temperature (c):	20.0
Test Method Used:	SOP 33 Calibrations of Weight Carts, Sep 2014	Humidity:	40.0%
Nominal (lb):	4000	Pressure (mm/Hg):	713.8
Tolerance (lb):	1.25		

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)
-0.62	0.10	0.26

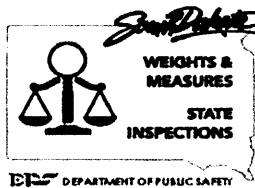
The weight cart was allowed to come to environmental equilibrium in the laboratory prior to calibration. The weight cart was adjusted, as needed and noted above, as close as possible to zero error. All fluid levels must be maintained as close to reference levels as possible during use. Any maintenance,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

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

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


Ron Peterson, Metrologist

02/02/2016
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:	rairie Scale Sytem Inc. (Truck unit 950)	Report Number:	MP3422
Mailing Address:	PO Box 69	Date Received:	02/01/16
City, State, Zip:	Horace ND, 58047	Date tested:	02/02/16
Artifacts Submitted	1000 lb test weights and baskets	Condition of Weights:	GOOD
		Temperature (c):	21.2
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	47
Equipment Used:	Russell Balance/ Vaisala PTU301	Pressure (mm/Hg):	714.6

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	1K-11	-0.044 lb -20.2 g		45 g	6.8 g	2.03
1000 lb	1K-12	-0.049 lb -22.4 g		45 g	6.8 g	2.03
1000 lb	1K-13	-0.086 lb -38.8 g	0.007 lb 3.1 g	45 g	6.8 g	2.03
1000 lb	1K-14	-0.032 lb -14.4 g		45 g	6.8 g	2.03
1000 lb	1K-15	-0.055 lb -25.0 g	0.004 lb 1.7 g	45 g	6.8 g	2.03
1000 lb	1K-16	-0.103 lb -46.9 g	0.003 lb 1.4 g	45 g	6.8 g	2.03
1000 lb	1K-17	-0.019 lb -8.4 g		45 g	6.8 g	2.03
1000 lb	1K-18	-0.032 lb -14.5 g		45 g	6.8 g	2.03
1000 lb	PSS-13-B1-1K	-0.084 lb -38.0 g	0.000 lb 0.1 g	45 g	6.8 g	2.03
1000 lb	PSS-13-B2-1K	-0.268 lb -121.7 g	0.001 lb 0.6 g	45 g	6.8 g	2.03


 Ron Peterson, Metrologist

02/02/2016
 Date of Report



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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:	Prairie Scale Sytem Inc. (Truck unit 950)	Report Number:	MP3422
Mailing Address:	PO Box 69	Date Received:	02/01/16
City, State, Zip:	Horace ND, 58047	Date tested:	02/02/16
Artifacts Submitted	50 lb test weights	Condition of Weights:	GOOD
		Temperature (c):	21.3
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	46.7%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	714.2

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

Standards Used: SD Lab Working Standards.

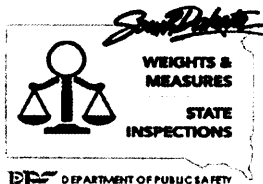
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A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	K
50 lb	040	176 mg		2300 mg	284 mg	2.04
50 lb	041	316 mg		2300 mg	284 mg	2.04
50 lb	043	416 mg		2300 mg	284 mg	2.04
50 lb	045	-184 mg		2300 mg	284 mg	2.04
50 lb	046	986 mg		2300 mg	284 mg	2.04
50 lb	047	596 mg		2300 mg	284 mg	2.04
50 lb	048	736 mg		2300 mg	284 mg	2.04
50 lb	049	-674 mg		2300 mg	284 mg	2.04
50 lb	050	826 mg		2300 mg	284 mg	2.04
50 lb	051	-4 mg		2300 mg	284 mg	2.04
50 lb	052	336 mg		2300 mg	284 mg	2.04
50 lb	053	186 mg		2300 mg	284 mg	2.04
50 lb	054	-684 mg		2300 mg	284 mg	2.04
50 lb	055	396 mg		2300 mg	284 mg	2.04
50 lb	056	31 mg		2300 mg	284 mg	2.04
50 lb	057	6 mg		2300 mg	284 mg	2.04
50 lb	059	-39 mg		2300 mg	284 mg	2.04
50 lb	060	206 mg		2300 mg	284 mg	2.04
50 lb	061	-1394 mg		2300 mg	284 mg	2.04
50 lb	062	591 mg		2300 mg	284 mg	2.04
50 lb	063	-724 mg		2300 mg	284 mg	2.04
50 lb	073	-1124 mg		2300 mg	284 mg	2.04
50 lb	077	151 mg		2300 mg	284 mg	2.04


Ron Peterson, Metrologist

02/02/2016
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Metrology Lab**

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

Submitted by:	Prairie Scale Sylem Inc. (Truck unit 950)	Report Number:	MP3422
Mailing Address:	PO Box 69	Date Received:	02/01/16
City, State, Zip:	Horace ND, 58047	Date tested:	02/02/16
Artifacts Submitted	50 lb test weights	Condition of Weights:	GOOD
		Temperature (c):	21.3
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	46.7%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	714.2

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

Standards Used: SD Lab Working Standards.

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

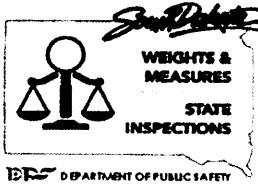
A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	K
50 lb	17873-1	-79 mg		2300 mg	284 mg	2.04
50 lb	17874-1	-1904 mg	41 mg	2300 mg	284 mg	2.04
50 lb	17875-1	651 mg		2300 mg	284 mg	2.04
50 lb	17876-1	158 mg		2300 mg	284 mg	2.04
50 lb	17877-1	741 mg		2300 mg	284 mg	2.04
50 lb	17878-1	-1419 mg		2300 mg	284 mg	2.04
50 lb	17879-1	-9 mg		2300 mg	284 mg	2.04
50 lb	17880-1	86 mg		2300 mg	284 mg	2.04
50 lb	17881-1	-869 mg		2300 mg	284 mg	2.04
50 lb	17882-1	-874 mg		2300 mg	284 mg	2.04
50 lb	17883-1	-2724 mg	-4 mg	2300 mg	284 mg	2.04
50 lb	17885-1	1006 mg		2300 mg	284 mg	2.04
50 lb	17887-1	-1164 mg		2300 mg	284 mg	2.04
50 lb	17888-1	-1069 mg		2300 mg	284 mg	2.04
50 lb	17889-1	-99 mg		2300 mg	284 mg	2.04
50 lb	17890-1	-19 mg		2300 mg	284 mg	2.04
50 lb	17891-1	-394 mg		2300 mg	284 mg	2.04


Ron Peterson, Metrologist

02/02/2016

Date of Report



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Metrology Lab**

Lab: 1500 N Garfield – E. Truck Bypass Phone: 605-773-3170
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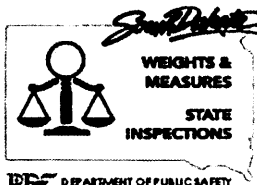
Submitted by:	Prairie Scale Sytem Inc. (Truck unit 950)	Report Number:	MP3422
Mailing Address:	PO Box 69	Date Received:	02/01/16
City, State, Zip:	Horace ND, 58047	Date tested:	02/01/16
Artifacts Submitted	Unit 950 19 piece kit 5FXO	Condition of Weights:	GOOD
		Temperature (c):	21.6
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	47.6
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	713.5

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
5 lb	A	70 mg		230 mg	28 mg	2.05
5 lb	B	62 mg		230 mg	28 mg	2.05
5 lb	C	110 mg		230 mg	28 mg	2.05
5 lb	D	69 mg		230 mg	28 mg	2.05
5 lb	E	61 mg		230 mg	28 mg	2.05
1 lb	A	24.6 mg		70 mg	8.5 mg	2.05
1 lb	B	23.6 mg		70 mg	8.5 mg	2.05
1 lb	C	26.6 mg		70 mg	8.5 mg	2.05
1 lb	D	25.6 mg		70 mg	8.5 mg	2.05
1 lb	E	28.6 mg		70 mg	8.5 mg	2.05
8 oz		20.1 mg		45 mg	5.5 mg	2.05
4 oz		7.5 mg		23 mg	2.8 mg	2.06
2 oz		3.9 mg		11 mg	1.3 mg	2.06
1 oz		2.23 mg		5.4 mg	0.66 mg	2.05
1/2 oz		0.48 mg		2.8 mg	0.34 mg	2.05
0.2 oz		0.67 mg		1.6 mg	0.21 mg	2.05
0.2 oz		0.52 mg		1.6 mg	0.21 mg	2.05
0.1 oz		0.37 mg		1.3 mg	0.18 mg	2.05
0.05 oz		0.20 mg		1.0 mg	0.15 mg	2.05


Ron Peterson, Metrologist

02/02/2016
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

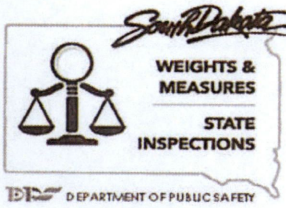
Submitted by:	Prairie Scale Sytem Inc. (Truck unit 950)	Report Number:	MP3422
Mailing Address:	PO Box 69	Date Received:	02/01/16
City, State, Zip:	Horace ND, 58047	Date tested:	02/01/16
Artifacts Submitted	Shop Metric Kit - 5FWZ 21 piece kit	Condition of Weights:	GOOD
Test Method Used:	SOP 8/ MODIFIED SUB. Sep 2014	Temperature (c):	21.6
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vassala PTU301	Humidity:	47.8
		Pressure (mm/Hg):	713.15

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		210 mg		500 mg	61 mg	2.07
5 kg	A	137 mg		500 mg	61 mg	2.07
2 kg	A	73 mg		200 mg	24 mg	2.06
2 kg	B	94 mg		200 mg	24 mg	2.06
1 kg		40 mg		100 mg	12 mg	2.06
500 g	A	22.7 mg		70 mg	8.6 mg	2.06
500 g	B	20.7 mg		70 mg	8.6 mg	2.06
500 g	C	20.7 mg		70 mg	8.6 mg	2.06
500 g	D	25.7 mg		70 mg	8.6 mg	2.06
500 g	E	20.7 mg		70 mg	8.6 mg	2.06
200 g		14.4 mg		40 mg	5.0 mg	2.06
200 g	.	5.4 mg		40 mg	5.0 mg	2.06
100 g		7.5 mg		20 mg	2.4 mg	2.06
50 g		4.4 mg		10 mg	1.2 mg	2.06
20 g		1.87 mg		4 mg	0.49 mg	2.05
20 g	.	1.65 mg		4 mg	0.49 mg	2.05
10 g		-0.44 mg		2 mg	0.25 mg	2.05
5 g		0.70 mg		1.5 mg	0.39 mg	2.06
2 g		0.50 mg		1.1 mg	0.14 mg	2.06
2 g	.	0.54 mg		1.1 mg	0.14 mg	2.06
1 g		0.40 mg		0.9 mg	0.12 mg	2.06


Ron Peterson, Metrologist

02/02/2016
Date of Report



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

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

REPORT OF CALIBRATION

LAB TEST NUMBER: MP3414
DATE OF REPORT: 01/13/2016
DATE RECEIVED: 01/11/2016
DATE OF TEST: 01/12-13/2016



Submitted By: Prairie Scale Sytem Inc. (Truck FL70)
Contact: Cooper Anderson
Mailing Address: PO Box 69
City, State, Zip: Horace ND, 58047
Phone: 701-281-9591
S/A Number: 131

Standards Submitted:

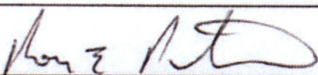
- 1 - 22 piece lb test kit
- 1 - 20 lb test weight
- 40 - 50 lb test weights
- 4 - 500 lb test weights
- 2 - 1000 lb test weights

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.

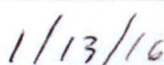
Traceability statement:

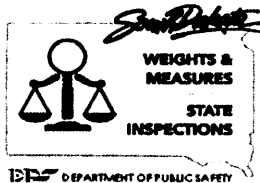
The Standards of the SD Metrology Laboratory used for comparison are traceable to the International System of Units (SI) through the National Institute of Standards and Technology. The laboratory test number identified above is the unique report number to be used in referencing measurement traceability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




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:	Prairie Scale Sytem Inc. (Truck FL70)	Report Number:	MP3414
Mailing Address:	PO Box 69	Date Received:	01/11/16
City, State, Zip:	Horace ND, 58047	Date tested:	01/12/16
Artifacts Submitted	4 - 500 lb test Weights	Condition of Weights:	GOOD
	2- 1000 lb test weights	Temperature (c):	21.2
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	47.6
Equipment Used:	Russell Balance/ Vaisala PTU301	Pressure (mm/Hg):	718.1

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.

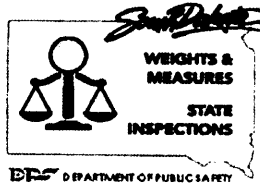
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in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

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

Nominal	Serial Number	Correction		Correction		Tolerance	Uncertainty	K
		As Found		As Left				
500 lb	500-02	0.019 lb	8.7 g			23 g	3.8 g	2.05
500 lb	500-04	0.014 lb	6.4 g			23 g	3.8 g	2.05
500 lb	500-03	0.026 lb	11.7 g			23 g	3.8 g	2.05
500 lb	500-01	0.034 lb	15.2 g			23 g	3.8 g	2.05
1000 lb	1K-01	0.191 lb	86.6 g	0.049 lb	22.1 g	45 g	6.8 g	2.03
1000 lb	1K-02	0.183 lb	83.1 g	0.049 lb	22.4 g	45 g	6.8 g	2.03


Ron Peterson, Metrologist

01/13/2016
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:	Prairie Scale Sytem Inc. (Truck FL70)	Report Number:	MP3414
Mailing Address:	PO Box 69	Date Received:	01/11/16
City, State, Zip:	Horace ND, 58047	Date tested:	01/13/16
Artifacts Submitted	50 lb test weights	Condition of Weights:	GOOD
		Temperature (c):	21.3
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	44.3%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	707.1

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

Standards Used: SD Lab Working Standards.

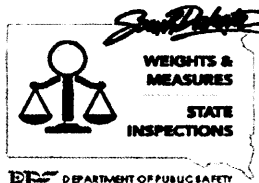
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism and effects of magnetism is not included in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

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

Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	k
50 lb	001	9846 mg	521 mg	2300 mg	284 mg	2.04
50 lb	002	10286 mg	31 mg	2300 mg	284 mg	2.04
50 lb	003	12586 mg	-39 mg	2300 mg	284 mg	2.04
50 lb	004	7426 mg	-539 mg	2300 mg	284 mg	2.04
50 lb	005	9626 mg	-29 mg	2300 mg	284 mg	2.04
50 lb	006	9256 mg	21 mg	2300 mg	284 mg	2.04
50 lb	007	9431 mg	-104 mg	2300 mg	284 mg	2.04
50 lb	008	5246 mg	616 mg	2300 mg	284 mg	2.04
50 lb	009	10736 mg	186 mg	2300 mg	284 mg	2.04
50 lb	010	11616 mg	471 mg	2300 mg	284 mg	2.04
50 lb	011	10246 mg	-59 mg	2300 mg	284 mg	2.04
50 lb	012	6096 mg	56 mg	2300 mg	284 mg	2.04
50 lb	013	2321 mg	-4 mg	2300 mg	284 mg	2.04
50 lb	014	9656 mg	206 mg	2300 mg	284 mg	2.04
50 lb	016	11676 mg	271 mg	2300 mg	284 mg	2.04
50 lb	017	7291 mg	131 mg	2300 mg	284 mg	2.04
50 lb	018	9881 mg	11 mg	2300 mg	284 mg	2.04
50 lb	019	10381 mg	-29 mg	2300 mg	284 mg	2.04
50 lb	020	6741 mg	6 mg	2300 mg	284 mg	2.04


Ron Peterson, Metrologist

01/13/2016
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:	Prairie Scale Sylem Inc. (Truck FL70)	Report Number:	MP3414
Mailing Address:	PO Box 69	Date Received:	01/11/16
City, State, Zip:	Horace ND, 58047	Date tested:	01/13/16
Artifacts Submitted	50 lb test weights 20 lb test weight	Condition of Weights:	GOOD
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Temperature (c):	21.3
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Humidity:	44.3%
		Pressure (mm/Hg):	707.1

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

Standards Used: SD Lab Working Standards.

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

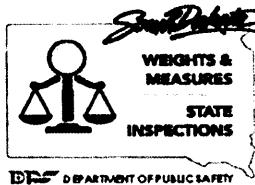
A weight with an "As Found" and "As Left" correction was adjusted.

Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	K
50 lb	021	8441 mg	476 mg	2300 mg	284 mg	2.04
50 lb	022	7356 mg	821 mg	2300 mg	284 mg	2.04
50 lb	023	6426 mg	341 mg	2300 mg	284 mg	2.04
50 lb	023	7381 mg	-44 mg	2300 mg	284 mg	2.04
50 lb	024	9521 mg	161 mg	2300 mg	284 mg	2.04
50 lb	026	11311 mg	146 mg	2300 mg	284 mg	2.04
50 lb	027	7081 mg	396 mg	2300 mg	284 mg	2.04
50 lb	028	8441 mg	51 mg	2300 mg	284 mg	2.04
50 lb	029	8161 mg	16 mg	2300 mg	284 mg	2.04
50 lb	030	8396 mg	121 mg	2300 mg	284 mg	2.04
50 lb	030	11906 mg	226 mg	2300 mg	284 mg	2.04
50 lb	031	5841 mg	6 mg	2300 mg	284 mg	2.04
50 lb	032	6976 mg	26 mg	2300 mg	284 mg	2.04
50 lb	033	2321 mg	611 mg	2300 mg	284 mg	2.04
50 lb	034	4786 mg	6 mg	2300 mg	284 mg	2.04
50 lb	035	10081 mg	-24 mg	2300 mg	284 mg	2.04
50 lb	036	6196 mg	336 mg	2300 mg	284 mg	2.04
50 lb	037	6666 mg	761 mg	2300 mg	284 mg	2.04
50 lb	058	-2569 mg	411 mg	2300 mg	284 mg	2.04
50 lb	138	8476 mg	341 mg	2300 mg	284 mg	2.04
50 lb	17871-1	10476 mg	-34 mg	2300 mg	284 mg	2.04
20 lb	17904-1	-610 mg		910 mg	35 mg	2.06


Ron Peterson, Metrologist

01/13/2016

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

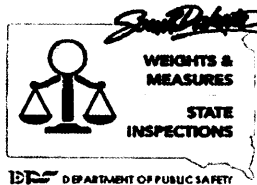
Submitted by:	Prairie Scale Sytem Inc. (Truck FL70)	Report Number:	MP3414
Mailing Address:	PO Box 89	Date Received:	01/11/16
City, State, Zip:	Horace ND, 58047	Date tested:	01/03/16
Artifacts Submitted	22 piece lb kit	Condition of Weights:	GOOD
	SN 150105A	Temperature (c):	20.7
Test Method Used:	SOP B/ MODIFIED SUB. Sep 2014	Humidity:	46.6
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	708.9

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	6 mg		230 mg	28 mg	2.05
5 lb	2	-53 mg		230 mg	28 mg	2.05
5 lb	3	36 mg		230 mg	28 mg	2.05
5 lb	4	3.1 mg		230 mg	27.8 mg	2.05
5 lb	5	-20.9 mg		230 mg	27.8 mg	2.05
1 lb	6	-6.4 mg		70 mg	8.5 mg	2.05
1 lb	7	-0.4 mg		70 mg	8.5 mg	2.05
1 lb	8	24.6 mg		70 mg	8.5 mg	2.05
1 lb	9	8.6 mg		70 mg	8.5 mg	2.05
1 lb	10	-1.4 mg		70 mg	8.5 mg	2.05
0.5 lb	11	-12.9 mg		45 mg	5.5 mg	2.05
0.2 lb	12	1.79 mg		18 mg	2.19 mg	2.06
0.2 lb	13	-2.27 mg		18 mg	2.19 mg	2.06
0.1 lb	14	4.80 mg		9.1 mg	1.11 mg	2.06
0.05 lb		3.77 mg		4.5 mg	0.55 mg	2.06
0.02 lb		1.28 mg		1.8 mg	0.22 mg	2.06
0.02 lb	..	0.61 mg		1.8 mg	0.22 mg	2.06
0.01 lb		0.80 mg		1.5 mg	0.19 mg	2.06
0.005 lb		0.55 mg		1.2 mg	0.18 mg	2.06
0.002 lb	0	0.37 mg		0.87 mg	0.11 mg	2.06
0.002 lb	..	0.65 mg		0.87 mg	0.11 mg	2.06
0.001 lb		0.44 mg		0.7 mg	0.10 mg	2.06


Ron Peterson, Metrologist

01/13/2016
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

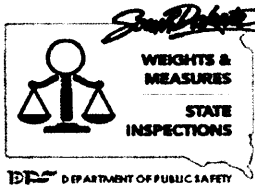
Submitted by:	Prairie Scale Sytem Inc. (Truck unit 950)	Report Number:	MP3422
Mailing Address:	PO Box 69	Date Received:	02/01/16
City, State, Zip:	Horace ND, 58047	Date tested:	02/01/16
Artifacts Submitted	Unit 739 2 kg Kit H95	Condition of Weights:	GOOD
	20 piece kit	Temperature (c):	21.6
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	47.6
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	713.6

Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight.
Standards Used: SD Lab Working Standards.
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
1 kg		41 mg		100 mg	12 mg	2.06
500 g		38.7 mg		70 mg	8.6 mg	2.06
200 g		16.7 mg		40 mg	5.0 mg	2.06
200 g		14.0 mg		40 mg	5.0 mg	2.06
100 g		4.5 mg		20 mg	2.4 mg	2.06
50 g		1.5 mg		10 mg	1.2 mg	2.06
20 g		1.66 mg		4 mg	0.49 mg	2.05
20 g		0.92 mg		4 mg	0.49 mg	2.05
10 g		-0.08 mg		2 mg	0.25 mg	2.05
5 g		0.46 mg		1.5 mg	0.39 mg	2.06
2 g		0.40 mg		1.1 mg	0.14 mg	2.06
2 g		0.33 mg		1.1 mg	0.14 mg	2.06
1 g		0.39 mg		0.9 mg	0.12 mg	2.06
500 mg		0.37 mg		0.72 mg	0.09 mg	2.06
200 mg		0.20 mg		0.54 mg	0.08 mg	2.06
200 mg		0.25 mg		0.54 mg	0.08 mg	2.06
100 mg		0.18 mg		0.43 mg	0.08 mg	2.06
50 mg		-0.01 mg		0.35 mg	0.06 mg	2.07
20 mg		0.14 mg		0.26 mg	0.09 mg	2.06
20 mg		0.05 mg		0.26 mg	0.09 mg	2.06


Ron Peterson, Metrologist

02/02/2016
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:	Prairie Scale Sytem Inc. (Truck unit 950)	Report Number:	MP3422
Mailing Address:	PO Box 69	Date Received:	02/01/16
City, State, Zip:	Horace ND, 58047	Date tested:	02/01/16
Artifacts Submitted	Shop weights	Condition of Weights:	GOOD
	loose weights	Temperature (c):	21.6
Test Method Used:	SOP 8/ MODIFIED SUB, Sep 2014	Humidity:	47.6
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	713.6

Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight.
Standards Used: SD Lab Working Standards.
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	B	128 mg		500 mg	61 mg	2.07
20 lb	17905-1	-3559.8 mg	-74.8 mg	910 mg	110 mg	2.05

End of Report



Ron Peterson, Metrologist

02/02/2016
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

A handwritten signature in black ink, appearing to read "Carol T. Hockett".

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

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