



APPLICATION FOR REGISTRATION AS A REGISTERED SERVICE COMPANY

Public Service Commission
SFN 51277 (2/2014)



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

Name of Company Webster Scale Inc	Email Address wsia@websterscale.com	Application Date 11/9/16	
Mailing Address PO Box 127	City Webster	State SD	Zip Code 57274
Telephone Number 605.345.3881	Cell Phone Number	Fax Number 605.345.3405	

Select below all device types your company will certify:

Scales (include maximum capacity, if applicable)	Liquid (include maximum flow rate, if applicable)
<input checked="" type="checkbox"/> 1. Rail <input checked="" type="checkbox"/> 2. Truck <input checked="" type="checkbox"/> 3. Livestock <input checked="" type="checkbox"/> 4. Hopper: Max. Capacity: <u>150,000</u> <input type="checkbox"/> 5. Belt <input checked="" type="checkbox"/> 6. Over 30 lbs.: Max. Capacity: <u>400,000</u> <input checked="" type="checkbox"/> 7. 30 lbs. or less <input type="checkbox"/> 8. Class II (indicate on your calibration report which weight kit is Class II certified) <input type="checkbox"/> 9. Other: Please List:	<input type="checkbox"/> 1. Retail Fuel (less than 20 gal. per minute) <input type="checkbox"/> 2. High Flow Retail Fuel (20 gal. per minute or greater) <input type="checkbox"/> 3. Vehicle Tank: Max. Flow Rate: _____ <input type="checkbox"/> 4. Stationary Bulk (fuel or oil): Max. Flow Rate: _____ <input type="checkbox"/> 5. LPG <input type="checkbox"/> 6. Stationary LPG <input type="checkbox"/> 7. Fertilizer: Max. Flow Rate: _____ <input type="checkbox"/> 8. Chemical <input type="checkbox"/> 9. Anhydrous <input type="checkbox"/> 10. Loading Rack <input type="checkbox"/> 11. Other: Please List:

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

Permit No.	Employee	Device Types Registered to Certify (list using device type numbers from above)
e.g. 1001	e.g. John Doe	e.g. Scales - 2, 3, 6, 8; e.g. Liquid - 1, 2, 6
1448	Roger Shoemaker	Scales 1-7
1449	John Shoemaker	} 1-7
1704	Rob Kading	
1536	Jason Shoemaker	
1705	Michael Dunbar	1 1

Continued on Page 2



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


Additional Application Items (initial where appropriate):

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

Public Company Listing:

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

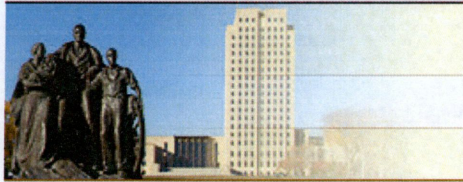
I am Roger Shoemaker, and have authority to represent this company.
By signing this application, I declare that I have examined this form and accompanying documentation, and to the best of my knowledge and belief, the facts stated and documentation provided is true, correct, and complete.



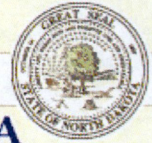
Signature

Send Completed Application and Related Documents To:

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



SECRETARY OF STATE NORTH DAKOTA



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

WEBSTER SCALE, INC.

Corporation Details

System ID: 9711500 **Phone:** (605) 345-3881
Type: FOREIGN BUSINESS CORPORATION
Status: Active & Good Standing
Original File Date: 05/20/1996 **Effective Date:** 05/20/1996
State of Origin: South Dakota

Nature of Business

SCALE MANUFACTURE, REPAIR AND OTHER CONSTRUCTION

Principal Office

14012 SD HWY 25 PO BOX 127 WEBSTER, SD 57274-0127

Registered Agent

W W WEISPFENNING
516 MAIN AVE
OAKES, ND 58474-1638
Established Date: May 20, 1996

Generate an Annual Report To File


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


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

[Return to Search Results](#)

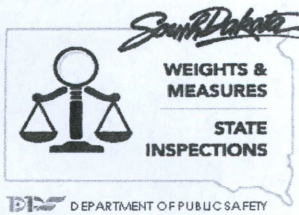
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[Disclaimer](#) | [Privacy Policy](#)

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

 Will open a new window (pop-up).

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

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



REPORT OF CALIBRATION

LAB TEST NUMBER: MP3468
DATE OF REPORT: 11/09/2016
DATE RECEIVED: 11/07/2016
DATE OF TEST: 11/07-09/2016

Submitted By: Webster Scales
Contact: Roger Shoemaker
Mailing Address: Box 127
City, State, Zip: Webster, SD 57274
Phone: 605-345-3881
S/A Number: 2

Standards Submitted:

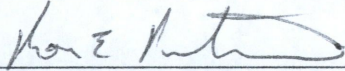
- 20 - 1000 lb weights
- 2 - weight kits
- 2 - 4000 lb weight carts
- 20 - 50 lb weights

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

Traceability statement:

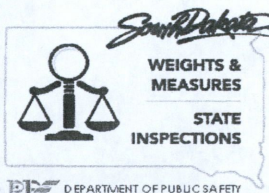
The Standards of the SD Metrology Laboratory used for comparison are traceable to the International System of Units (SI) through the National Institute of Standards and Technology. The laboratory test number identified above is the unique report number to be used in referencing measurement traceability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

This document does not represent or imply endorsement by NIST Office of Weights and Measures or any agency of the State and/or national governments. The reported test values relate only to the observations made at the time and conditions of the test. This report may not be reproduced, except in full without the written approval of this laboratory. The client must not use this document to claim product endorsement by this laboratory.


Ron Peterson, Metrologist



11/09/16
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:	Webster Scales	Report Number:	MP3468
Mailing Address:	Box 127	Date Received:	11/07/16
City, State, Zip:	Webster, SD 57274	Date tested:	11/09/16
Manufacturer:	Weight Carts Inc	Condition of Cart:	GOOD
Serial Number:	090705A	Temperature (c):	19.7
Test Method Used:	SOP 33 Calibrations of Weight Carts, Jan 2016	Humidity:	34.7%
Nominal (lb):	2000	Pressure (mm/Hg):	719.7
Tolerance (lb):	0.50		

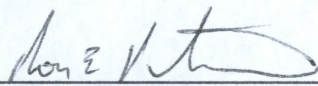
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory.

As Found (lb)	As Left (lb)	Uncertainty-lb. (k=)
-1.32	-0.05	0.20

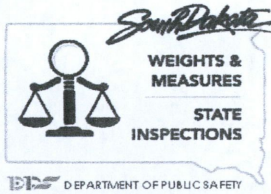
The weight cart was allowed to come to environmental equilibrium in the laboratory prior to calibration. The weight cart was adjusted, as needed and noted above, as close as possible to zero error. All fluid levels must be maintained as close to reference levels as possible during use. Any maintenance,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

11/09/2016
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:	Webster Scales	Report Number:	MP3468
Mailing Address:	Box 127	Date Received:	11/07/16
City, State, Zip:	Webster, SD 57274	Date tested:	11/09/16
Manufacturer:	Weight Carts Inc	Condition of Cart:	GOOD
Serial Number:	090705B	Temperature (c):	19.7
Test Method Used:	SOP 33 Calibrations of Weight Carts, Jan 2016	Humidity:	34.7%
Nominal (lb):	2000	Pressure (mm/Hg):	719.7
Tolerance (lb):	0.50		

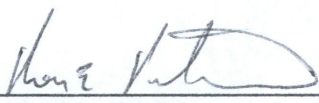
The values reported below relate only to those observations made at the time and conditions of the test. This test report, so numbered, may not be reproduced, except in full, without approval of the laboratory.

As Found (lb)	As Left (lb)	Uncertainty-lb. (k=)
-2.98	-0.02	0.20

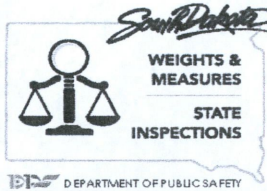
The weight cart was allowed to come to environmental equilibrium in the laboratory prior to calibration. The weight cart was adjusted, as needed and noted above, as close as possible to zero error. All fluid levels must be maintained as close to reference levels as possible during use. Any maintenance,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

11/09/2016
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



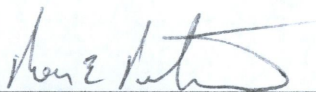
Submitted by:	Webster Scales	Report Number:	MP3468
Mailing Address:	Box 127	Date Received:	11/07/16
City, State, Zip:	Webster, SD 57274	Date tested:	11/08/16
Artifacts Submitted	1000 lb weights	Condition of Weights:	GOOD
		Temperature (c):	20.8
Test Method Used:	SOP 8/ MODIFIED SUB, Jun 2015	Humidity:	51.3
Equipment Used:	Russell Balance/ Vaisala PTU301	Pressure (mm/Hg):	725.9

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

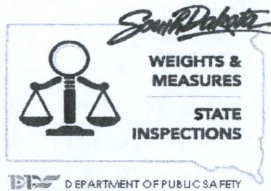
Standards Used: SD Lab 1000 lb and/or 500 lb Working Standards.

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.

Nominal	Serial Number	Correction As Found		Correction As Left		Tolerance	Uncertainty	k
1000 lb	1-11	-0.136 lb	-61.6 g	0.001 lb	0.7 g	45 g	5.9 g	2.04
1000 lb	2-05	-0.073 lb	-33.0 g	-0.006 lb	-2.7 g	45 g	5.9 g	2.04
1000 lb	3-05	-0.169 lb	-76.8 g	-0.001 lb	-0.6 g	45 g	5.9 g	2.04
1000 lb	3-06	0.005 lb	2.4 g	0.005 lb	2.4 g	45 g	5.9 g	2.04
1000 lb	3-11	-0.139 lb	-63.1 g	0.002 lb	1.0 g	45 g	5.9 g	2.04
1000 lb	4-05	-0.152 lb	-68.8 g	0.003 lb	1.3 g	45 g	5.9 g	2.04
1000 lb	5-05	-0.320 lb	-145.0 g	0.002 lb	0.9 g	45 g	5.9 g	2.04
1000 lb	8-06	-0.055 lb	-24.8 g	0.002 lb	0.9 g	45 g	5.9 g	2.04
1000 lb	9-05	-0.267 lb	-120.9 g	0.003 lb	1.6 g	45 g	5.9 g	2.04
1000 lb	10-06	-0.110 lb	-49.8 g	0.002 lb	0.8 g	45 g	5.9 g	2.04
1000 lb	10-11	-0.065 lb	-29.5 g	-0.001 lb	-0.3 g	45 g	5.9 g	2.04
1000 lb	11-05	-0.108 lb	-49.1 g	0.005 lb	2.2 g	45 g	5.9 g	2.04
1000 lb	11-06	-0.087 lb	-39.5 g	0.004 lb	1.9 g	45 g	5.9 g	2.04
1000 lb	12-05	-0.195 lb	-88.6 g	0.003 lb	1.4 g	45 g	5.9 g	2.04
1000 lb	12-11	-0.039 lb	-17.5 g	-0.039 lb	-17.5 g	45 g	5.9 g	2.04
1000 lb	13-05	-0.161 lb	-73.2 g	0.000 lb	0.1 g	45 g	5.9 g	2.04
1000 lb	13-11	-0.103 lb	-46.8 g	0.001 lb	0.4 g	45 g	5.9 g	2.04
1000 lb	20-06	-0.039 lb	-17.5 g	-0.039 lb	-17.5 g	45 g	5.9 g	2.04
1000 lb	20-11	-0.094 lb	-42.6 g	-0.001 lb	-0.6 g	45 g	5.9 g	2.04
1000 lb	21-11	-0.233 lb	-105.6 g	0.005 lb	2.2 g	45 g	5.9 g	2.04


Ron Peterson, Metrologist

11/09/2016
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



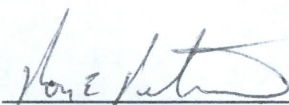
Submitted by:	Webster Scales	Report Number:	MP3468
Mailing Address:	Box 127	Date Received:	11/07/16
City, State, Zip:	Webster, SD 57274	Date tested:	11/07/16
Artifacts Submitted	50 lb weights	Condition of Weights:	GOOD
		Temperature (c):	20.6
Test Method Used:	SOP 8/ MODIFIED SUB, Jun 2015	Humidity:	49.5%
Equipment Used:	Mettler KA-30/ Vaisala PTU301	Pressure (mm/Hg):	719.6

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.

Nominal	Serial Number	Correction As Found	Correction As Left	Tolerance	Uncertainty	k
50 lb	02	166 mg	166 mg	2300 mg	283 mg	2.04
50 lb	06	-309 mg	-309 mg	2300 mg	283 mg	2.04
50 lb	08	1626 mg	66 mg	2300 mg	283 mg	2.04
50 lb	08B	511 mg	511 mg	2300 mg	283 mg	2.04
50 lb	09	351 mg	351 mg	2300 mg	283 mg	2.04
50 lb	10	-1424 mg	26 mg	2300 mg	283 mg	2.04
50 lb	12	2601 mg	-19 mg	2300 mg	283 mg	2.04
50 lb	13	-394 mg	-394 mg	2300 mg	283 mg	2.04
50 lb	15	2026 mg	-19 mg	2300 mg	283 mg	2.04
50 lb	15	-814 mg	-814 mg	2300 mg	283 mg	2.04
50 lb	16	676 mg	676 mg	2300 mg	283 mg	2.04
50 lb	17	-84 mg	-84 mg	2300 mg	283 mg	2.04
50 lb	18	1161 mg	1161 mg	2300 mg	283 mg	2.04
50 lb	19	-1009 mg	-1009 mg	2300 mg	283 mg	2.04
50 lb	20	-5634 mg	31 mg	2300 mg	283 mg	2.04
50 lb	2.10	-924 mg	-924 mg	2300 mg	283 mg	2.04
50 lb	3.12	2786 mg	41 mg	2300 mg	283 mg	2.04
50 lb	W16	-21759 mg	41 mg	2300 mg	283 mg	2.04
50 lb	A	956 mg	956 mg	2300 mg	283 mg	2.04
50 lb	B	-334 mg	-334 mg	2300 mg	283 mg	2.04


Ron Peterson, Metrologist

11/09/2016
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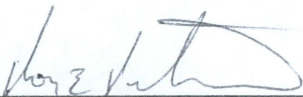
Submitted by:	Webster Scales	Report Number:	MP3468
Mailing Address:	Box 127	Date Received:	11/07/16
City, State, Zip:	Webster, SD 57274	Date tested:	11/07/16
Artifacts Submitted	Weight Kit SN 103111A	Condition of Weights:	GOOD
		Temperature (c):	21.2
Test Method Used:	SOP 8/ MODIFIED SUB, Jun 2015	Humidity:	48.4
Equipment Used:	Mettler AX 205 DR/ Mettler PR503/ Vaisala PTU301	Pressure (mm/Hg):	720.8

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.

Nominal	Identifier	Correction As Found	Correction As Left	Tolerance Class F	Uncertainty	k
1 kg		18 mg	18 mg	100 mg	12 mg	2.05
500 g		21.7 mg	21.7 mg	70 mg	8.6 mg	2.05
500 g	.	17.7 mg	17.7 mg	70 mg	8.6 mg	2.05
200 g		19.6 mg	19.6 mg	40 mg	5.0 mg	2.05
100 g		7.7 mg	7.7 mg	20 mg	2.4 mg	2.05
50 g		3.9 mg	3.9 mg	10 mg	1.2 mg	2.05
20 g		0.59 mg	0.59 mg	4 mg	0.49 mg	2.04
20 g	.	1.24 mg	1.24 mg	4 mg	0.49 mg	2.04
2 g		0.37 mg	0.37 mg	1.1 mg	0.14 mg	2.05
2 g	.	0.34 mg	0.34 mg	1.1 mg	0.14 mg	2.05
1 g		0.13 mg	0.13 mg	0.9 mg	0.12 mg	2.05

End of report



Ron Peterson, Metrologist

11/09/2016
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. Hockert".

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

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

COPY

Receipt Date: August 22, 2016
 Cal. Date: August 25, 2016
 Report Date: August 25, 2016

Report No.: 336393
 Serial No.: BN 979006
 Barcode: 201342

Calibration Certificate

BNSF RAILROAD
 4515 KANSAS AVENUE
 KANSAS CITY, KS 66106-1124
 Contact: Ervin Marshall
 Phone: 913-544-6852
 PO Number: NONE
 SOP: 13
 Technician ID: 11

Item(s) Submitted: Railroad Test Car
 Manufacturer: Composite
 Last Test Date: August 6, 2015
 Recent Repairs: None
 Condition: Good
 Temperature: 23.5 °C
 Pressure: 738.8 mmHg
 Relative Humidity: 45.2 %



Nominal Value (lb)	Value (lb)		NIST Class F Tolerance (lb)	U (lb) (k = 2)
	As Found	As Left		
82,000	81,995.8	81,999.5	8.2	4.0

Calibration Witnessed by: Mike Dunbar

The car listed above has been calibrated at the Master Scale House of the State of Minnesota, Department of Commerce Weights and Measures Division. This Master Scale is tested on an annual basis by the Federal Grain Inspection Program (FGIS) using standards, traceable to NIST, of equal nominal mass (± 16 lb) to that of the test car. Calibration documentation is available upon request.

The uncertainty value provided above has been calculated using historical data and FGIS calibration information.

Pete Whebbe

Pete Whebbe
 Metrologist

Reviewed by:

Mark Nicolet

Mark Nicolet
 Quality Manager

Receipt Date: November 2, 2016
 Cal. Date: November 2, 2016
 Report Date: November 2, 2016

Report No.: 336702
 Serial No.: BN 979022
 Barcode: 201132

Calibration Certificate

BNSF RAILROAD
 4515 KANSAS AVENUE
 KANSAS CITY, KS 66106-1124
 Contact: Ervin Marshall
 Phone: 913-544-6852
 PO Number: NONE
 SOP: 13
 Technician ID: 11

Item(s) Submitted: 100,000 lb Test Car
 Manufacturer: Maxson
 Last Test Date: November 4, 2015
 Recent Repairs: None
 Condition: Good
 Temperature: 8.9 °C
 Pressure: 741.7 mmHg
 Relative Humidity: 74.2 %



Nominal Value (lb)	Value (lb)		NIST Class F Tolerance (lb)	U (lb) (k = 2)
	As Found	As Left		
100,000	100,004.4	100,004.4	10	1.8

Calibration Witnessed by: Mike Dunbar

The car listed above has been calibrated at the Master Scale House of the State of Minnesota, Department of Commerce Weights and Measures Division. This Master Scale is tested on an annual basis by the Federal Grain Inspection Program (FGIS) using standards, traceable to NIST, of equal nominal mass (± 16 lb) to that of the test car. Calibration documentation is available upon request.

The uncertainty value provided above has been calculated using historical data and FGIS calibration information. Conversion to SI unit: 1 lb = 0.45359237 kg.

Pete Wheelbe

Pete Wheelbe
 Metrologist

Reviewed by:

Erik Alfvin

Erik Alfvin
 Metrologist

Receipt Date: November 9, 2016
 Cal. Date: November 9, 2016
 Report Date: November 9, 2016

Report No.: 336731
 Serial No.: BNSF 979019
 Barcode: 201159

Calibration Certificate

BNSF RAILROAD
 4515 KANSAS AVENUE
 KANSAS CITY, KS 66106-1124
 Contact: Andrew Barthel
 Phone: 913-551-4129
 PO Number: NONE
 SOP: 13
 Technician ID: 11

Item(s) Submitted 101,000 lb Rail Test Car
 Manufacturer: Unknown
 Last Test Date: November 4, 2015
 Recent Repairs: None
 Condition: Good
 Temperature: 9.4 °C
 Pressure: 743.0 mmHg
 Relative Humidity: 59.7 %



Nominal Value (lb)	Value (lb)		NIST Class F Tolerance (lb)	U (lb) (k = 2)
	As Found	As Left		
101,000	100,995.0	100999.4	10.1	1.8

Calibration Witnessed by: Mike Dunbar

The car listed above has been calibrated at the Master Scale House of the State of Minnesota, Department of Commerce Weights and Measures Division. This Master Scale is tested on an annual basis by the Federal Grain Inspection Program (FGIS) using standards, traceable to NIST, of equal nominal mass (± 16 lb) to that of the test car. Calibration documentation is available upon request.

The uncertainty value provided above has been calculated using historical data and FGIS calibration information.
 Conversion to SI unit: 1 lb = 0.45359237 kg.

Pete Whebbe

 Metrologist

Reviewed by:
 Erik Alfvin

 Metrologist

United States Department of Commerce

Rational Institute of Standards and Technology

Certificate of Metrological Traceability For:

Minnesota

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 II	Weight Carts	Volume Gravimetric, I
50 kg to 1 mg	10 000 lb to 2000 lb	20 L to 10 mL
1000 lb to 0.001 lb	Wheel Load Weighers	100 gal to 0.25 qt
4 oz to 0.03125 oz	20 000 lb to 2000 lb	Volume Transfer, II
Mass Echelon III	Railroad Test Cars	1500 gal to 5 gal
50 kg to 1 mg	110 000 lb to 80 000 lb	100 gal to 25 gal LPG
5000 lb to 0.001 lb		
4 oz to 0.03125 oz		



2016 to 2017

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

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

Effective Dates: 2016-01-01 to 2017-12-31