



**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**

<b>Name of Company</b> NBS CALIBRATIONS	<b>Email Address</b> JOEYK@NORTHERNBALANCE.COM	<b>Application Date</b> 12/17/14	
<b>Mailing Address</b> 9556 W. BLOOMINGTON Fwy	<b>City</b> BLOOMINGTON	<b>State</b> MINN	<b>Zip Code</b> 55431
<b>Telephone Number</b> 952-881-7716	<b>Cell Phone Number</b> 612-819-4381	<b>Fax Number</b> 952-881-7309	

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 type="checkbox"/> 2. Truck <input type="checkbox"/> 3. Livestock <input type="checkbox"/> 4. Hopper: Max. Capacity: _____ <input type="checkbox"/> 5. Belt <input checked="" type="checkbox"/> 6. Over 30 lbs.: Max. Capacity: <u>5000 lbs</u> <input checked="" type="checkbox"/> 7. 30 lbs. or less <input checked="" type="checkbox"/> 8. Class II (indicate on your calibration report which weight kit is Class II certified) <input type="checkbox"/> 9. Other: Please List:	<input type="checkbox"/> 1. Retail Fuel (less than 20 gal. per minute) <input type="checkbox"/> 2. High Flow Retail Fuel (20 gal. per minute or greater) <input type="checkbox"/> 3. Vehicle Tank: Max. Flow Rate: _____ <input type="checkbox"/> 4. Stationary Bulk (fuel or oil): Max. Flow Rate: _____ <input type="checkbox"/> 5. LPG <input type="checkbox"/> 6. Stationary LPG <input type="checkbox"/> 7. Fertilizer: Max. Flow Rate: _____ <input type="checkbox"/> 8. Chemical <input type="checkbox"/> 9. Anhydrous <input type="checkbox"/> 10. Loading Rack <input type="checkbox"/> 11. Other: Please List:

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

Permit No.	Employee	Device Types Registered to Certify (list using device type numbers from above)
e.g. 1001	e.g. John Doe	e.g. Scales - 2, 3, 6, 8; e.g. Liquid - 1, 2, 6
1579	TROY STAAT	SCALES 6, 7, 8
1706	BRIAN MARY	SAME
1631	JOEY KALUSER	SAME
1632	RORY BECKER	SAME

Continued on Page 2



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

70 x 500 Lb blocks	
10 x 50 Lb GRIPS	
4 x 25 Lb GRIPS	
SEALERS SET:	
CLASS II WEIGHT SET:	


Additional Application Items (initial where appropriate):

Standardized Test Report	<input checked="" type="checkbox"/> Copy enclosed <input type="checkbox"/> No change in report filed previously
Tested and Approved Sticker	<input checked="" type="checkbox"/> Copy enclosed <input 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 JOEY KALUSER, and have authority to represent this company.  
 By signing this application, I declare that I have examined this form and accompanying documentation, and to the best of my knowledge and belief, the facts stated and documentation provided is true, correct, and complete.

  
Signature

Send Completed Application and Related Documents To:

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

North Dakota Test Report  
**NBS CALIBRATIONS**  
 9556 W. Bloomington Freeway  
 Bloomington, MN 55431  
 800-722-5398



Date: \_\_\_\_\_ Calibration frequency  Annual  Semi-Annual  
 Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip code: \_\_\_\_\_  
 County: \_\_\_\_\_ Telephone: \_\_\_\_\_

**EQUIPMENT INFORMATION**

Check All That Apply:  
 Equipment repair  New installation  Routine Service  
 Rejected equipment Tag#(Attach) \_\_\_\_\_  
 Type of Device:  
 Hopper  Platform  Hanging  Counter Scale  Other

Make \_\_\_\_\_  
 Model \_\_\_\_\_  
 Serial # \_\_\_\_\_  
 Capacity \_\_\_\_\_  
 Division \_\_\_\_\_ Units \_\_\_\_\_  
 Platform Size \_\_\_\_\_ Class \_\_\_\_\_

Printer model \_\_\_\_\_ Serial # \_\_\_\_\_

Sensitivity response or Discrimination Test:  
 Zero Load: \_\_\_\_\_ Loaded \_\_\_\_\_ Motion Detection \_\_\_\_\_ Auto Zero \_\_\_\_\_

Load Position	Amount of test equipment used	increasing load		decreasing load	
		As Found	As Left	As Found	As Left

**Cornerload Test**

Front	Back	Left	Right

**Test Standards used**

Standards id	Next Cal Due

I hereby declare the statements made here are correct:

Are there any other jurisdictional devices at this location that require testing? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Has a security seal and sticker been applied? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Service Agency (Print)	
<input type="checkbox"/> Approved <input type="checkbox"/> Rejected	
Inspector / Permit holder Signature	Permit No.
Owner - Operator Signature	

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ND Public  
Service  
Commission

 NBS CALIBRATIONS *Tested & Approved*  
1-800-722-5398  
www.northernbalance.com  
S.N. # \_\_\_\_\_  
DATE      TECHNICIAN      DUE



# NBS Calibrations


"Nothing But Solutions"

9556 W. BLOOMINGTON FREEWAY

BLOOMINGTON, MN 55431

PHONE (952) 881-7716 (800) 722-5398 FAX (952) 881-7309 www.northernbalance.com

## WEIGHT CALIBRATION CERTIFICATE

COMPANY	NBS Calibrations	REPORT #	M14-0103-1JL
ADDRESS	9556 W. Bloomington Freeway Bloomington, MN 55431	TEMP.	20.0 °C
RECEIPT DATE	01-02-2014	HUMIDITY	50 %
TEST DATE	01-03-2014	mmHG	740.6 mmHg
NEXT CAL DUE	01-2015	DENSITY	7.84 g/cm <sup>3</sup>
DESCRIPTION OF WEIGHTS	Stainless steel weight set	 ACCREDITED Calibration Laboratory CERT#1684.01	
MANUFACTURER	Rice Lake		
SERIAL NUMBER	011811-1 ID AV		
CONDITION AS RECEIVED	Good		



TESTED WITH WEIGHTS TRACEABLE TO NIST THROUGH TEST NOS. 329395 12081-13

CALIBRATED BY: Jacob Christianson  
 SOP: PR 013 Double Substitution  
 BALANCE USED: Sartorius CC10000, Sartorius E1200S, Mettler CB1000, Sartorius CC6, Sartorius CC50, Sartorius CC500

LAST DATE WORKING STANDARD WAS CALIBRATED: 5/7/2012 10KST, 5/13/2013 3CUU  
 NEXT CALIBRATION OF STANDARD DUE: 5/7/2014 10KST, 5/13/2015 3CUU

SERIAL NUMBER OF STANDARD: 10KST 3CUU

Nominal Value	Correction (mg)		ASTM E617 Class		Tol. (mg)	*Unc (mg)
	Conventional Mass vs 8.0 g/cm <sup>3</sup> As Found	As Left	As Found	As Left		
5000g	2.20	2.20	1	1	12	0.87
3000g	-5.68	-5.68	1	1	7.5	0.85
2000g	-2.76	-2.76	1	1	5.0	0.99
2000g/dot	-2.76	-2.76	1	1	5.0	0.99
1000g	0.68	0.68	1	1	2.5	0.30
1000g/dot	-1.82	-1.82	1	1	2.5	0.30
1000g/2dot	-0.32	-0.32	1	1	2.5	0.30
500g	-0.24	-0.24	1	1	1.2	0.12
200g	-0.136	-0.136	1	1	0.50	0.091
200g/dot	0.074	0.074	1	1	0.50	0.091
100g	0.344	0.344	2	2	0.50	0.040
100g/dot	0.294	0.294	2	2	0.50	0.040
50g	-0.043	-0.043	1	1	0.12	0.015



\* The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95%.

01-03-2014

DATE

Jacob Christianson, Metrologist

This certificate shall not be reproduced except in full, without the written approval of the laboratory. The procedures used to perform this calibration comply with NBS PR 013 and ISO/IEC 17025-2005. This calibration was conducted using standards traceable to the SI through the state of Minnesota metrology lab.

Receipt Date: November 17, 2014  
Test Date: November 20, 2014  
Report Date: November 20, 2014

State Test No.: 333408  
Set Serial No.: S/N 5120-5129  
Barcode: 200706

## Calibration Report

NORTHERN BALANCE & SCALE, INC  
9556 BLOOMINGTON FREEWAY W  
BLOOMINGTON, MN 55431

Contact: JOEY KALUSER  
Phone: 952-881-7716  
PO Number: 19856  
SOP: 12  
Technician ID: 13

Item(s) Submitted: Cast Handle Weights  
Manufacturer: Rice Lake  
ASTM E617 Type: II  
Equipment ID#: Set 2  
Condition: Good  
Temperature: 18.6°C  
Pressure: 733.6 mmHg  
Relative Humidity: 44. %



Nominal Value	lb	Serial No.	Correction (mg)		NIST HB105-1 Class		Unc. (mg) (k=2)
			As Found	As Left	As Found	As Left	
50	lb	5128	1010	1010	F	F	110
50	lb	5127	1110	1110	F	F	110
50	lb	5129	1090	1090	F	F	110
50	lb	5124	1280	1280	F	F	110
50	lb	5120	1230	1230	F	F	110
50	lb	5121	1130	1130	F	F	110
50	lb	5125	1100	1100	F	F	110
50	lb	5123	1170	1170	F	F	110
50	lb	5122	1050	1050	F	F	110
50	lb	5126	1770	1770	F	F	110

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/cm<sup>3</sup> density and an air density of 1.2 mg/cm<sup>3</sup>. 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.

Kari Anderson  
*Kari Anderson*  
Metrologist

Reviewed by:  
Mark Nicollet  
*Mark Nicollet*  
Quality Manager

Receipt Date: November 17, 2014  
Test Date: November 20, 2014  
Report Date: November 20, 2014

State Test No.: 333407  
Set Serial No.: SET 20: 2522 & 2542  
Barcode: 200707

## Calibration Report

NORTHERN BALANCE & SCALE, INC  
9556 BLOOMINGTON FREEWAY W  
BLOOMINGTON, MN 55431  
Contact: JOEY KALUSER  
Phone: 952-881-7716  
PO Number: 19856  
SOP: 12  
Technician ID: 13

Item(s) Submitted: Cast Handle Weights  
Manufacturer: Rice Lake  
ASTM E617 Type: II  
Equipment ID#: None  
Condition: Good  
Temperature: 18.6°C  
Pressure: 733.6 mmHg  
Relative Humidity: 44. %



Nominal Value	Serial No.	Correction (mg)		NIST HB105-1 Class		Unc. (mg) (k=2)
		As Found	As Left	As Found	As Left	
25 lb	2542	360	360	F	F	75
25 lb	2522	410	410	F	F	75

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/cm<sup>3</sup> density and an air density of 1.2 mg/cm<sup>3</sup>. 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.

Kari Anderson  
*Kari Anderson*  
Metrologist

Reviewed by:  
Mark Nicolet  
*Mark Nicolet*  
Quality Manager

Receipt Date: November 18, 2014  
Test Date: November 25, 2014  
Report Date: November 25, 2014

State Test No.: 333428  
Set Serial No.: SET DD/62921  
Barcode: 019862

## Calibration Report

NORTHERN BALANCE & SCALE, INC  
9556 BLOOMINGTON FREEWAY W  
BLOOMINGTON, MN 55431

Contact: JOEY KALUSER  
Phone: 952-881-7716  
PO Number: 19856  
SOP: 12  
Technician ID: 09

Item(s) Submitted: Avdp. weight set  
Manufacturer: Rice Lake  
ASTM E617 Type: I & II  
Equipment ID#: None  
Condition: Good  
Temperature: 20.1°C  
Pressure: 738.2 mmHg  
Relative Humidity: 48. %



Nominal Value	Serial No.	Correction (mg)		NIST HB105-1 Class		Unc. (mg) (k=2)
		As Found	As Left	As Found	As Left	
5 lb		82.	82.	F	F	10.
2 lb		35.	35.	F	F	6.
2 lb		15.	15.	F	F	6.
1 lb		16.	16.	F	F	6.
0.5 lb		2.	2.	F	F	6.
0.2 lb		7.52	7.52	F	F	0.07
0.2 lb		6.85	6.85	F	F	0.07
0.1 lb		0.77	0.77	F	F	0.07
0.05 lb		0.78	0.78	F	F	0.07
0.02 lb		0.56	0.56	F	F	0.07
0.02 lb		0.73	0.73	F	F	0.07
0.01 lb		0.61	0.61	F	F	0.07
0.005 lb		-0.01	-0.01	F	F	0.07
0.002 lb		0.02	0.02	F	F	0.07
0.002 lb		0.09	0.09	F	F	0.07
0.001 lb		0.18	0.18	F	F	0.07

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/cm<sup>3</sup> density and an air density of 1.2 mg/cm<sup>3</sup>. 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.

Heidi Jones  
*Heidi Jones*  
Laboratory Administrator

Reviewed by:  
Mark Nicollet  
*Mark Nicollet*  
Quality Manager





Weights & Measures Metrology Laboratory  
 14305 Southcross Drive #150  
 Burnsville, MN 55306-7008  
 651.539.1555 FAX 651.539.1553



Receipt Date: May 19, 2014  
 Test Date: May 19 & 23, 2014  
 Report Date: May 23, 2014

State Test No.: 332552  
 Set Serial No.: 5001 - 5006  
 Bar Code: 201194

## Calibration Report

NORTHERN BALANCE & SCALE, INC  
 9556 BLOOMINGTON FREEWAY W  
 BLOOMINGTON, MN 55431

Contact: JOEY KALUSER  
 Phone: 952-881-7716  
 PO Number: 19289  
 SOP: 12  
 Technician ID: 08

Item(s) Submitted: 500 lb Cast Weights  
 Manufacturer: Rice Lake  
 ASTM E617 Type: II  
 Equipment ID#: Set 0  
 Condition: Good  
 Temperature: 21.6°C  
 Pressure: 741.5 mmHg  
 Relative Humidity: 45. %

Nominal Value		Serial No.	Correction (mg)		NIST HB105-1 Class		Unc. (mg) (k=2)
			As Found	As Left	As Found	As Left	
May 19, 2014							
500	lb	5001	-1100.	-1100.	F	F	1100.
500	lb	5002	8600.	8600.	F	F	1100.
500	lb	5003	-100.	-100.	F	F	1100.
500	lb	5004	3500.	3500.	F	F	1100.
500	lb	5005	1200.	1200.	F	F	1100.
500	lb	5006	2000.	2000.	F	F	1100.
May 22, 2014							
500	lb	5001	33200.	1800.	*	F	1100.
500	lb	5002	23500.	4700.	*	F	1100.
500	lb	5003	24300.	2200.	*	F	1100.
500	lb	5004	38500.	6500.	*	F	1100.
500	lb	5005	29500.	5300.	*	F	1100.
500	lb	5006	33300.	4600.	*	F	1100.

\* 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/cm<sup>3</sup> density and an air density of 1.2 mg/cm<sup>3</sup>. 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.



Nils Fleming  
  
 Metrologist

Reviewed by:  
 Heidi Jones  
  
 Laboratory Administrator

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# United States Department of Commerce National 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

50 kg to 1 mg  
1000 lb to 0.001 lb  
4 oz to 0.03125 oz

#### Mass Echelon III

50 kg to 1 mg  
5000 lb to 0.001 lb  
4 oz to 0.03125 oz

#### Weight Carts

10 000 lb to 2000 lb  
Wheel Load Weighers  
20 000 lb to 2000 lb

#### Railroad Test Cars

110 000 lb to 80 000 lb

#### Volume Gravimetric, I

20 L to 1 mL  
100 gal to 0.25 qt

#### Volume Transfer, II

1500 gal to 5 gal  
100 gal to 25 gal LPG



2015

A handwritten signature in cursive script, reading "Carol T. Hockert".

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

Effective Dates: 2015-01-01 to 2015-12-31