



**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> Northwest Scale, Inc.	<b>Email Address</b> info@northwestscale.com	<b>Application Date</b> 03/23/2015	
<b>Mailing Address</b> 2210 Main Avenue East, Suite 2A	<b>City</b> West Fargo	<b>State</b> ND	<b>Zip Code</b> 58078-2221
<b>Telephone Number</b> 701-298-9527	<b>Cell Phone Number</b> (Jim) 701-238-6929	<b>Fax Number</b> 701-356-9520	

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

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

Permit No.	Employee	Device Types Registered to Certify (list using device type numbers from above)
<i>e.g. 1001</i>	<i>e.g. John Doe</i>	<i>e.g. Scales - 2, 3, 6, 8; e.g. Liquid - 1, 2, 6</i>
1396	James P. Jacobs	Scales - 1, 2, 3, 4, 6, 7, 9
1398	Steven P. Cusey	Scales - 1, 2, 3, 4, 6, 7, 9
1606	Joel M. Bombersbach	Scales - 1, 2, 3, 4, 6, 7, 9
1637	Ryan S. Jacobs	Scales - 1, 2, 3, 4, 6, 7, 9

Continued on Page 2

Application for Registration as a Registered Service Company  
Page 2



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

(2) 2,500 lb. Power Dollies	
(6) 2,500 lb. Cast Slab Weights	
(4) 500 lb. Cast Block Weights	
(80) 50 lb. Cast Hand Weights	
(2) 25 lb. Cast Hand Weights	
(1) 30 lb. Weight Kit with Fractions	
(1) 30 lb. Weight Kit with Decimals	
(2) 4,100 g. Satin Weight Kits	

Additional Application Items (initial where appropriate):

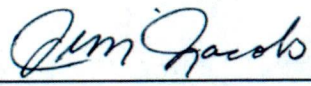
Standardized Test Report	<u>  x  </u> Copy enclosed
	<u>      </u> No change in report filed previously
Tested and Approved Sticker	<u>  x  </u> Copy enclosed
	<u>      </u> No change in sticker filed previously
Photocopy of Crimped Lead Wire Seal	<u>  x  </u> Copy enclosed
	<u>      </u> No change in 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 Jim Jacobs, President, 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



Receipt Date: March 17, 2015  
Test Date: March 17, 2015  
Report Date: March 17, 2015

State Test No.: 333985  
Set Serial No.: 11 & 22  
Barcode: 201586

## Calibration Report

NORTHWEST SCALE, INC.  
2210 EAST MAIN AVE UNIT 2A  
WEST FARGO, ND 58078

Contact: JIM JACOBS  
Phone: 701-298-9527  
PO Number: NONE  
SOP: 12  
Technician ID: 11

Item(s) Submitted: 2500 lb Weight Carts  
Manufacturer: Anderson  
ASTM E617 Type: NA  
Equipment ID#: None  
Condition: Good  
Temperature: 18.9°C  
Pressure: 749.3 mmHg  
Relative Humidity: 46. %

Nominal Value	Serial No.	Correction (g)		NIST HB105-8 Tol		Unc. (g) (k=2)
		As Found	As Left	As Found	As Left	
2500 lb	11	-260	50	*	Meets	6.
2500 lb	22	-130	-130	Meets	Meets	6.

\* Weight Cart as found exceeds NIST HB 105-8 tolerance.

When used as a set these weight carts meet NIST HB 105-8 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.

Pete Whebbe

Metrologist

Reviewed by:

Mark Nicollet

Quality Manager



Receipt Date: March 17, 2015  
Test Date: March 17, 2015  
Report Date: March 17, 2015

State Test No.: 333984  
Set Serial No.: OV2X-Z,OV30-32  
Barcode: 201585

## Calibration Report

NORTHWEST SCALE, INC.  
2210 EAST MAIN AVE UNIT 2A  
WEST FARGO, ND 58078  
Contact: JIM JACOBS  
Phone: 701-298-9527  
PO Number: NONE  
SOP: 12  
Technician ID: 11

Item(s) Submitted: Cast Slab Weights  
Manufacturer: Rice Lake  
ASTM E617 Type: II  
Equipment ID#: None  
Condition: Good  
Temperature: 18.9°C  
Pressure: 750. mmHg  
Relative Humidity: 47. %

Nominal Value	lb	Serial No.	Correction (g)		NIST HB105-1 Class		Unc. (g) (k=2)
			As Found	As Left	As Found	As Left	
2500	lb	OV2X	34.	34.	F	F	6.
2500	lb	OV2Y	44.	44.	F	F	6.
2500	lb	OV2Z	34.	34.	F	F	6.
2500	lb	OV30	129.	1.	*	F	6.
2500	lb	OV31	128.	8.	*	F	6.
2500	lb	OV32	37.	37.	F	F	6.

\* 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.

Pete Whebbe

Metrologist

Reviewed by:

Mark Nicollet

Quality Manager



Receipt Date: March 16, 2015  
Test Date: March 16, 2015  
Report Date: March 17, 2015

State Test No.: 333983  
Set Serial No.: 7 thru 10  
Barcode: 201588

## Calibration Report

NORTHWEST SCALE, INC.  
2210 EAST MAIN AVE UNIT 2A  
WEST FARGO, ND 58078  
Contact: JIM JACOBS  
Phone: 701-298-9527  
PO Number: NONE  
SOP: 12  
Technician ID: 11

Item(s) Submitted: Cast Cube Weights  
Manufacturer: PUC  
ASTM E617 Type: II  
Equipment ID#: None  
Condition: Good  
Temperature: 19.8°C  
Pressure: 735.7 mmHg  
Relative Humidity: 37. %

Nominal Value	Serial No.	Correction (g)		NIST HB105-1 Class		Unc. (g) (k=2)
		As Found	As Left	As Found	As Left	
500 lb	7	6.2	6.2	F	F	1.1
500 lb	8	7.8	7.8	F	F	1.1
500 lb	9	14.7	14.7	F	F	1.1
500 lb	10	-5.1	-5.1	F	F	1.1

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.

Pete Whebbe

*Pete Whebbe*  
Metrologist

Reviewed by:

Mark Nicollet

*Mark Nicollet*  
Quality Manager



Receipt Date: March 16, 2015  
Test Date: March 17 & 18, 2015  
Report Date: March 18, 2015

State Test No.: 333986  
Set Serial No.: NSI 41-80  
Barcode: 201587

## Calibration Report

NORTHWEST SCALE, INC.  
2210 EAST MAIN AVE UNIT 2A  
WEST FARGO, ND 58078  
Contact: JIM JACOBS  
Phone: 701-298-9527  
PO Number: NONE  
SOP: 12  
Technician ID: 11

Item(s) Submitted: Cast Hand Weights  
Manufacturer: Rice Lake  
ASTM E617 Type: II  
Equipment ID#: None  
Condition: Good  
Temperature: 19.1°C  
Pressure: 744.5 mmHg  
Relative Humidity: 40. %



Nominal Value	Serial No.	Correction (mg)		NIST HB105-1 Class		Unc. (mg) (k=2)
		As Found	As Left	As Found	As Left	
50 lb	NSI 41	4620.	460.	*	F	110.
50 lb	NSI 42	5130.	320.	*	F	110.
50 lb	NSI 43	4320.	610.	*	F	110.
50 lb	NSI 44	3170.	750.	*	F	110.
50 lb	NSI 45	4850.	370.	*	F	110.
50 lb	NSI 46	4540.	100.	*	F	110.
50 lb	NSI 47	4940.	-30.	*	F	110.
50 lb	NSI 48	3540.	1310.	*	F	110.
50 lb	NSI 49	2540.	190.	*	F	110.
50 lb	NSI 50	3900.	-180.	*	F	110.
50 lb	NSI 51	3040.	250.	*	F	110.
50 lb	NSI 52	2490.	-190.	*	F	110.
50 lb	NSI 53	5770.	-10.	*	F	110.
50 lb	NSI 54	5000.	260.	*	F	110.
50 lb	NSI 55	4220.	-40.	*	F	110.
50 lb	NSI 56	3460.	10.	*	F	110.
50 lb	NSI 57	4290.	-60.	*	F	110.
50 lb	NSI 58	5680.	-90.	*	F	110.
50 lb	NSI 59	5010.	-80.	*	F	110.
50 lb	NSI 60	6340.	210.	*	F	110.
50 lb	NSI 61	4280.	280.	*	F	110.
50 lb	NSI 62	2370.	30.	*	F	110.
50 lb	NSI 63	1990.	1990.	F	F	110.
50 lb	NSI 64	-720.	-720.	F	F	110.
50 lb	NSI 65	2430.	780.	*	F	110.
50 lb	NSI 66	2010.	2010.	F	F	110.
50 lb	NSI 67	660.	660.	F	F	110.
50 lb	NSI 68	2880.	250.	*	F	110.
50 lb	NSI 69	130.	130.	F	F	110.
50 lb	NSI 70	-160.	-160.	F	F	110.

\* Weight(s) as found exceed NIST HB105-1 Class F Tolerance.



Continued,

Receipt Date: March 16, 2015  
Test Date: March 17 & 18, 2015  
Report Date: March 18, 2015

State Test No.: 333986  
Set Serial No.: NSI 41-80  
Barcode: 201587

## Calibration Report

NORTHWEST SCALE, INC.  
2210 EAST MAIN AVE UNIT 2A  
WEST FARGO, ND 58078  
Contact: JIM JACOBS  
Phone: 701-298-9527  
PO Number: NONE  
SOP: 12  
Technician ID: 11

Item(s) Submitted: Cast Hand Weights  
Manufacturer: Rice Lake  
ASTM E617 Type: II  
Equipment ID#: None  
Condition: Good  
Temperature: 19.1°C  
Pressure: 744.5 mmHg  
Relative Humidity: 40. %

Nominal Value	Serial No.	Correction (mg)		NIST HB105-1 Class		Unc. (mg) (k=2)
		As Found	As Left	As Found	As Left	
50 lb	NSI 71	2180.	130.	F	F	110.
50 lb	NSI 72	4010.	-80.	*	F	110.
50 lb	NSI 73	2270.	200.	*	F	110.
50 lb	NSI 74	2350.	-100.	*	F	110.
50 lb	NSI 75	-220.	-220.	F	F	110.
50 lb	NSI 76	3240.	-20.	*	F	110.
50 lb	NSI 77	3340.	320.	*	F	110.
50 lb	NSI 78	3480.	540.	*	F	110.
50 lb	NSI 79	1440.	1440.	F	F	110.
50 lb	NSI 80	1970.	1970.	F	F	110.

\* Weight(s) as found exceed NIST HB105-1 Class F Tolerance.

When used as a set these weights meet NIST HB105-1 Class F Tolerance.

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.

Pete Whebbe

*Pete Whebbe*  
Metrologist

Reviewed by:

Mark Nicollet

*Mark Nicollet*  
Quality Manager



Receipt Date: March 16, 2015  
Test Date: March 17, 2015  
Report Date: March 18, 2015

State Test No.: 333987  
Set Serial No.: NONE/ NSI 01-40  
Barcode: 201589

## Calibration Report

NORTHWEST SCALE, INC.  
2210 EAST MAIN AVE UNIT 2A  
WEST FARGO, ND 58078  
Contact: JIM JACOBS  
Phone: 701-298-9527  
PO Number: NONE  
SOP: 12  
Technician ID: 11

Item(s) Submitted: Cast Hand Weights  
Manufacturer: Asst Cast Mfg  
ASTM E617 Type: II  
Equipment ID#: None  
Condition: Good  
Temperature: 19.2°C  
Pressure: 747.2 mmHg  
Relative Humidity: 34. %

Nominal Value	Serial No.	Correction (mg)		NIST HB105-1 Class		Unc. (mg) (k=2)
		As Found	As Left	As Found	As Left	
25 lb	None	350.	350.	F	F	75.
25 lb	None	40.	40.	F	F	75.
50 lb	NSI 01	470.	470.	F	F	110.
50 lb	NSI 02	740.	740.	F	F	110.
50 lb	NSI 03	-1650.	-1650.	F	F	110.
50 lb	NSI 04	1670.	1670.	F	F	110.
50 lb	NSI 05	370.	370.	F	F	110.
50 lb	NSI 06	490.	490.	F	F	110.
50 lb	NSI 07	-640.	-640.	F	F	110.
50 lb	NSI 08	210.	210.	F	F	110.
50 lb	NSI 09	-1010.	-1010.	F	F	110.
50 lb	NSI 10	-510.	-510.	F	F	110.
50 lb	NSI 11	-780.	-780.	F	F	110.
50 lb	NSI 12	-630.	-630.	F	F	110.
50 lb	NSI 13	-1600.	-1600.	F	F	110.
50 lb	NSI 14	-290.	-290.	F	F	110.
50 lb	NSI 15	-230.	-230.	F	F	110.
50 lb	NSI 16	1440.	1440.	F	F	110.
50 lb	NSI 17	-400.	-400.	F	F	110.
50 lb	NSI 18	280.	280.	F	F	110.
50 lb	NSI 19	-420.	-420.	F	F	110.
50 lb	NSI 20	1070.	1070.	F	F	110.
50 lb	NSI 21	1030.	1030.	F	F	110.
50 lb	NSI 22	-760.	-760.	F	F	110.
50 lb	NSI 23	450.	450.	F	F	110.
50 lb	NSI 24	-1350.	-1350.	F	F	110.
50 lb	NSI 25	-360.	-360.	F	F	110.
50 lb	NSI 26	-170.	-170.	F	F	110.
50 lb	NSI 27	-1290.	-1290.	F	F	110.
50 lb	NSI 28	-1190.	-1190.	F	F	110.



Receipt Date: March 16, 2015  
Test Date: March 17, 2015  
Report Date: March 18, 2015

Continued,  
State Test No.: 333987  
Set Serial No.: NONE/ NSI 01-40  
Barcode: 201589

## Calibration Report

NORTHWEST SCALE, INC.  
2210 EAST MAIN AVE UNIT 2A  
WEST FARGO, ND 58078  
Contact: JIM JACOBS  
Phone: 701-298-9527  
PO Number: NONE  
SOP: 12  
Technician ID: 11

Item(s) Submitted: Cast Hand Weights  
Manufacturer: Asst Cast Mfg  
ASTM E617 Type: II  
Equipment ID#: None  
Condition: Good  
Temperature: 19.2°C  
Pressure: 747.2 mmHg  
Relative Humidity: 34. %

Nominal Value	Serial No.	Correction (mg)		NIST HB105-1 Class		Unc. (mg) (k=2)
		As Found	As Left	As Found	As Left	
50 lb	NSI 29	-1090.	-1090.	F	F	110.
50 lb	NSI 30	1380.	1380.	F	F	110.
50 lb	NSI 31	970.	970.	F	F	110.
50 lb	NSI 32	900.	900.	F	F	110.
50 lb	NSI 33	-730.	-730.	F	F	110.
50 lb	NSI 34	1080.	1080.	F	F	110.
50 lb	NSI 35	640.	640.	F	F	110.
50 lb	NSI 36	260.	260.	F	F	110.
50 lb	NSI 37	1010.	1010.	F	F	110.
50 lb	NSI 38	-880.	-880.	F	F	110.
50 lb	NSI 39	-220.	-220.	F	F	110.
50 lb	NSI 40	-690.	-690.	F	F	110.

When used as a set these weights meet NIST HB105-1 Class F Tolerance.

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.

Pete Whebbe

*Pete J. Whebbe*  
Metrologist

Reviewed by:

Mark Nicollet,

*Mark Nicollet*  
Quality Manager



Receipt Date: March 16, 2015  
Test Date: March 18, 2015  
Report Date: March 19, 2015

State Test No.: 333988  
Set Serial No.: OF44  
Barcode: 017730

## Calibration Report

NORTHWEST SCALE, INC.  
2210 EAST MAIN AVE UNIT 2A  
W. FARGO, ND 58078

Contact: JIM JACOBS  
Phone: 701-298-9527  
PO Number: NONE  
SOP: 12  
Technician ID: 09

Item(s) Submitted: 30 lb kit w/fractions  
Manufacturer: Rice Lake  
ASTM E617 Type: I & II  
Equipment ID#: None  
Condition: Good  
Temperature: 20.4°C  
Pressure: 744.7 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	
10 lb		75	75	F	F	15.
10 lb		185	185	F	F	15.
5 lb		81	81	F	F	10.
1 lb		1	1	F	F	6.
1 lb		15	15	F	F	6.
1 lb		31	31	F	F	6.
1 lb		20	20	F	F	6.
1 lb		18	18	F	F	6.
4 oz		-5.47	-5.47	F	F	0.07
4 oz		-8.17	-8.17	F	F	0.07
4 oz		-3.59	-3.59	F	F	0.07
1 oz		2.29	2.29	F	F	0.07
1 oz		0.91	0.91	F	F	0.07
1 oz		1.85	1.85	F	F	0.07
1/2 oz		1.46	1.46	F	F	0.07
1/2 oz		0.23	0.23	F	F	0.07
1/4 oz		0.66	0.66	F	F	0.07
1/4 oz		-0.17	-0.17	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



Receipt Date: March 16, 2015  
Test Date: March 18, 2015  
Report Date: March 19, 2015

State Test No.: 333989  
Set Serial No.: 1HZV  
Barcode: 200328

## Calibration Report

NORTHWEST SCALE, INC.  
2210 EAST MAIN AVE UNIT 2A  
W. FARGO, ND 58078  
Contact: JIM JACOBS  
Phone: 701-298-9527  
PO Number: NONE  
SOP: 12  
Technician ID: 9

Item(s) Submitted: 30 lb kit w/decimals  
Manufacturer: Rice Lake  
ASTM E617 Type: I & II  
Equipment ID#: None  
Condition: Good  
Temperature: 20.4°C  
Pressure: 744.7 mmHg  
Relative Humidity: 48. %

Nominal Value	Serial No.	Correction (mg)		ASTM E617 Class		Unc. (mg) (k=2)
		As Found	As Left	As Found	As Left	
10 lb		180	180	6	6	15.
10 lb		148	148	6	6	15.
5 lb		98	98	6	6	10.
2 lb		39	39	6	6	6.
2 lb		38	38	6	6	6.
1 lb		19	19	6	6	6.
0.5 lb		11	11	6	6	6.
0.2 lb		5.65	5.65	6	6	0.07
0.2 lb		3.75	3.75	5	5	0.07
0.1 lb		4.20	4.20	6	6	0.07
0.05 lb		1.76	1.76	5	5	0.07
0.02 lb		0.20	0.20	4	4	0.07
0.02 lb		0.73	0.73	5	5	0.07
0.01 lb		0.61	0.61	5	5	0.07
0.005 lb		0.13	0.13	4	4	0.07
0.002 lb		0.40	0.40	6	6	0.07
0.002 lb		0.15	0.15	5	5	0.07
0.001 lb		0.00	0.00	4	4	0.07

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



Receipt Date: March 16, 2015  
Test Date: March 18, 2015  
Report Date: March 19, 2015

State Test No.: 333990  
Set Serial No.: OFBA  
Barcode: 017731

## Calibration Report

NORTHWEST SCALE, INC.  
2210 EAST MAIN AVE UNIT 2A  
W. FARGO, ND 58078

Contact: JIM JACOBS  
Phone: 701-298-9527  
PO Number: NONE  
SOP: 12  
Technician ID: 09

Item(s) Submitted: Metric weight kit  
Manufacturer: Rice Lake  
ASTM E617 Type: I & II  
Equipment ID#: None  
Condition: Good  
Temperature: 20.5°C  
Pressure: 744.1 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	
2000	05	98	98	F	F	10.
1000	05	43	43	F	F	6.
500	05	31.8	31.8	F	F	4.6
200	05	13.9	13.9	F	F	1.
200	05	9.9	9.9	F	F	1.
100	05	6.14	6.14	F	F	0.45
50	05	0.90	0.90	F	F	0.25
20	05	1.39	1.39	F	F	0.25
20	05	1.19	1.19	F	F	0.25
10	05	1.14	1.14	F	F	0.12
5	05	0.26	0.26	F	F	0.1
2	05	0.64	0.64	F	F	0.07
2	05	-0.06	-0.06	F	F	0.07
1	05	0.26	0.26	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



Receipt Date: March 16, 2015  
Test Date: March 18, 2015  
Report Date: March 19, 2015

State Test No.: 333991  
Set Serial No.: 1HZW  
Barcode: 200329

## Calibration Report

NORTHWEST SCALE, INC.  
2210 EAST MAIN AVE UNIT 2A  
W. FARGO, ND 58078

Contact: JIM JACOBS  
Phone: 701-298-9527  
PO Number: NONE  
SOP: 12  
Technician ID: 09

Item(s) Submitted: Metric weight kit  
Manufacturer: Rice Lake  
ASTM E617 Type: I & II  
Equipment ID#: None  
Condition: Good  
Temperature: 20.5°C  
Pressure: 744.1 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	
2000	09	90	90	F	F	10.
1000	09	43	43	F	F	6.
500	09	31.0	31.0	F	F	4.6
200	09	9.3	9.3	F	F	1.
200	09	15.0	15.0	F	F	1.
100	09	8.86	8.86	F	F	0.45
50	09	4.45	4.45	F	F	0.25
20	09	1.30	1.30	F	F	0.25
20	09	0.77	0.77	F	F	0.25
10	09	0.89	0.89	F	F	0.12
5	09	0.33	0.33	F	F	0.1
2	09	0.65	0.65	F	F	0.07
2	09	0.44	0.44	F	F	0.07
1	09	0.60	0.60	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

# 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 blue ink that reads "Carol T. Hockert".

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

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



Northwest Scale, Inc.'s Crimped Lead Wire Seal:



Northwest Scale, Inc.'s Tested & Approved Sticker:

**Northwest Scale, Inc.**

2210 East Main Avenue, Suite 2A  
West Fargo, ND 58078  
**Sales / Service**

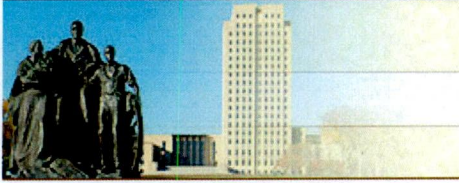
1-800-854-5885 • 701-298-9527

**Tested & Approved**

Jim  Ryan  Steve  Joel

JAN	FEB	MAR	APR	MAY	JUN
JUL	AUG	SEP	OCT	NOV	DEC
15	16	17	18	19	20

North Dakota

nd.gov Official Portal for  
North Dakota State GovernmentNorth Dakota  
LEGENDARY

# SECRETARY OF STATE NORTH DAKOTA


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

## NORTHWEST SCALE, INC.

### Corporation Details

**System ID:** 13370500      **Phone:** (701) 298-9527  
**Type:** BUSINESS CORPORATION  
**Status:** Active & Good Standing  
**Original File Date:** 03/13/1998      **Effective Date:** 03/13/1998  
**State of Origin:** North Dakota

### Nature of Business

SALES, SERVICE & INSTALLATION OF SCALES & SCALE ACCESSORIES

### Principal Office

2210 MAIN AVE E STE 2A WEST FARGO, ND 58078-2221

### Registered Agent

**TIFFANY JACOBS**  
 4422 30TH AVE S APT 107  
 FARGO, ND 58104-8436  
 Established Date: Jul 24, 2010

### Authorized Shares

Class	Number	Par Value
	50000.000000	\$1.000000

### 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.

[2014](#) (generates a forms-fillable pdf in a new pop-up window)

[Return to Search Results](#)

[Contact Us](#)
[Disclaimer](#)
[Privacy Policy](#)

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

Will open a new window (pop-up).

W3C WAI AA, CSS, XHTML Compliant | Copyright 2006. All Rights Reserved. The State of North Dakota.