



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

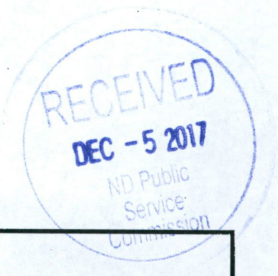
Name of Company Kennedy Scales, Inc	Email Address RBaker@KennedyScales.com	Application Date 12/05/2017	
Mailing Address 11485 Xeon Street NW	City Coon Rapids	State MN	Zip Code 55448
Telephone Number 763-784-1022	Cell Phone Number 612-965-3914	Fax Number 763-784-1206	

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 type="checkbox"/> 3. Livestock <input checked="" type="checkbox"/> 4. Hopper: Max. Capacity: _____ <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 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
1295	Tim Seifert	Scales 1, 2, 4, 6, 7, 8



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

Class F 25 LB Cast Weight	25121-25160
30 LB Kit Decimal/Fractional	A6
Metric Kit	M6
1000 LB Cast Cube	KSHD 1 - KSHD 18
Tiffin Weight Cart - 3000 LB	W60885
Class F 50 LB Cast Weight	L1 - L20
Class F 25 LB Cast Weight	TS1 - TS4
ASTM Class 1 Metric Kit	M12

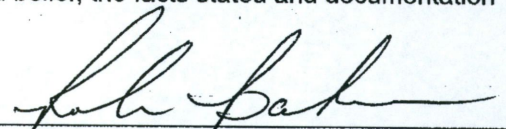
Additional Application Items (initial where appropriate):

Standardized Test Report	<input checked="" type="checkbox"/> Copy enclosed
	<input checked="" type="checkbox"/> No change in report filed previously
Tested and Approved Sticker	<input checked="" 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

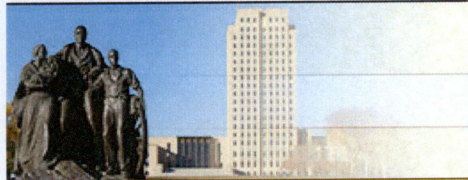
I am Rob Baker, and have authority to represent this company.
By signing this application, I declare that I have examined this form and accompanying documentation, and to the best of my knowledge and belief, the facts stated and documentation provided is true, correct, and complete.



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



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KENNEDY SCALES, INC.

Corporation Details

System ID: 15125100	Phone: (763) 784-1022
Type: FOREIGN BUSINESS CORPORATION	
Status: Active & Good Standing	
Original File Date: 11/01/1999	Effective Date: 11/01/1999
State of Origin: Minnesota	

Nature of Business

SERVICE & SALES OF WEIGHING EQUIPMENT

Principal Office

11485 XEON ST NW COON RAPIDS, MN 55448-3150

Registered Agent

SEARCH COMPANY OF NORTH DAKOTA LLC
 1709 N 19TH ST STE 3
 BISMARCK, ND 58501-2121
 Established Date: Jan 24, 2014

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.


[2017](#) [2018](#) (generates a forms-fillable pdf in a new pop-up window)

[Return to Search Results](#)

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 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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Receipt Date: October 25, 2017
Cal. Date: October 26, 2017
Report Date: October 26, 2017

Report No.: 338355
Set Serial No.: W60885
Barcode: 202397

Calibration Certificate

KENNEDY SCALE, INC.
11485 XEON STREET NW
COON RAPIDS, MN 55448
Contact: ROB BAKER
Phone: 763-784-1022
PO Number: NONE
Procedure: NIST SOP 8
Technician ID: 11

Item(s) Submitted: 3000 lb Weight Cart
Manufacturer: Tiffin
Weight Type: NA
Equipment ID: None
Condition: Excellent
Temperature: 20.7 °C
Pressure: 725.8 mmHg
Relative Humidity: 50.1 %



Nominal Value	Serial No.	CM Correction (g)		NIST HB105-8 Tolerance		k	U (g)
		As Found	As Left	As Found	As Left		
3000 lb	W60885	-29	-29	Meets	Meets	2.06	60.

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 at 20 °C. The items listed above have been calibrated using 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. All of the tolerances and specifications were evaluated according to NIST Handbook 105-8 (2003). Uncertainty calculations contain the components in NIST SOP 8 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including coverage factors (*k*) calculated at the approximate 95.45 % confidence level. Results apply to items identified in this report only.

Pete Whebbe

Metrologist

Reviewed by:

Erik Alfvin

Metrologist

Receipt Date: October 25, 2017
Cal. Date: October 26 & November 9, 2017
Report Date: November 13, 2017

Report No.: 338354
Set Serial No.: KSHD 1 to KSHD 18
Barcode: 200647

Calibration Certificate

KENNEDY SCALE, INC.
11485 XEON STREET NW
COON RAPIDS, MN 55448
Contact: ROB BAKER
Phone: 763-784-1022
PO Number: NONE
Procedure: NIST SOP 8
Technician ID: 11

Item(s) Submitted: Cast Cube Weights
Manufacturer: Toledo
Weight Type: II
Equipment ID: None
Condition: Good
Temperature: 20.2 °C
Pressure: 725.8 mmHg
Relative Humidity: 49.1 %



Nominal Value		Serial No.	CM Correction (g)		NIST HB105-1 Class		k	U (g)
			As Found	As Left	As Found	As Left		
1000	lb	KSHD 1	1.5	1.5	F	F	2.01	1.5
1000	lb	KSHD 2	-10.5	-10.5	F	F	2.01	1.5
1000	lb	KSHD 3	-11.5	-11.5	F	F	2.01	1.5
1000	lb	KSHD 4	-16.5	-16.5	F	F	2.01	1.5
1000	lb	KSHD 5	-17.5	-17.5	F	F	2.01	1.5
1000	lb	KSHD 6	12.5	12.5	F	F	2.01	1.5
1000	lb	KSHD 7	0.5	0.5	F	F	2.01	1.5
1000	lb	KSHD 8	7.5	7.5	F	F	2.01	1.5
1000	lb	KSHD 9	-22.5	-22.5	F	F	2.01	1.5
1000	lb	KSHD 10	-3.5	-3.5	F	F	2.01	1.5
1000	lb	KSHD 11	-25.5	-25.5	F	F	2.01	1.5
1000	lb	KSHD 12	-12.5	-12.5	F	F	2.01	1.5
1000	lb	KSHD 13	-10.5	-10.5	F	F	2.01	1.5
1000	lb	KSHD 14	-12.5	-12.5	F	F	2.01	1.5
1000	lb	KSHD 15	13.5	13.5	F	F	2.01	1.5
1000	lb	KSHD 16	7.5	7.5	F	F	2.01	1.5
1000	lb	KSHD 17	-18.5	-18.5	F	F	2.01	1.5
1000	lb	KSHD 18	12.5	12.5	F	F	2.01	1.5

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 at 20 °C. The items listed above have been calibrated using 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. All of the tolerances and specifications were evaluated according to NIST Handbook 105-1 (1990). Uncertainty calculations contain the components in NIST SOP 8 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including coverage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to items identified in this report only.

Pete Whebbe
Pete Whebbe
Metrologist

Reviewed by:
Erik Alfvin
Erik Alfvin
Metrologist



Receipt Date: October 25, 2017
Cal. Date: October 26, 2017
Report Date: October 26, 2017

Report No.: 338356
Set Serial No.: L1-L20
Barcode: 200648

Calibration Certificate

KENNEDY SCALE, INC.
11485 XEON STREET NW
COON RAPIDS, MN 55448
Contact: ROB BAKER
Phone: 763-784-1022
PO Number: NONE
Procedure: NIST SOP 8
Technician ID: 11

Item(s) Submitted: Cast Hand Weights
Manufacturer: Assorted
Weight Type: II
Equipment ID: None
Condition: Good
Temperature: 20.2 °C
Pressure: 727.3 mmHg
Relative Humidity: 49.9 %



Nominal Value	Serial No.	CM Correction (mg)		NIST HB105-1 Class		k	U (mg)
		As Found	As Left	As Found	As Left		
50 lb	L1	-1716	-1716	F	F	2.01	56
50 lb	L2	-3726	94	*	F	2.01	56
50 lb	L3	-1816	-1816	F	F	2.01	56
50 lb	L4	-2016	-2016	F	F	2.01	56
50 lb	L5	-6156	184	*	F	2.01	56
50 lb	L6	-6616	444	*	F	2.01	56
50 lb	L7	-5496	94	*	F	2.01	56
50 lb	L8	-866	-866	F	F	2.01	56
50 lb	L9	-1756	-1756	F	F	2.01	56
50 lb	L10	-6076	124	*	F	2.01	56
50 lb	L11	-3646	334	*	F	2.01	56
50 lb	L12	-3106	874	*	F	2.01	56
50 lb	L13	-5606	74	*	F	2.01	56
50 lb	L14	-2836	304	*	F	2.01	56
50 lb	L15	-5806	134	*	F	2.01	56
50 lb	L16	-2936	334	*	F	2.01	56
50 lb	L17	-6446	254	*	F	2.01	56
50 lb	L18	-3206	204	*	F	2.01	56
50 lb	L19	-4196	4	*	F	2.01	56
50 lb	L20	-6516	84	*	F	2.01	56

* Weight(s) as found exceed NIST 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/cm³ density and an air density of 1.2 mg/cm³ at 20 °C. The items listed above have been calibrated using 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. All of the tolerances and specifications were evaluated according to NIST Handbook 105-1 (1990). Uncertainty calculations contain the components in NIST SOP 8 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including coverage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to items identified in this report only.

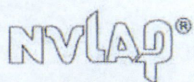
Pete Whebbe

Metrologist

Reviewed by:

Heidi Jones

Laboratory Administrator



Receipt Date: October 25, 2017
Cal. Date: October 26, 2017
Report Date: October 26, 2017

Report No.: 338357
Set Serial No.: 25121 - 25160
Barcode: 200651

Calibration Certificate

KENNEDY SCALE, INC.
11485 XEON STREET NW
COON RAPIDS, MN 55448
Contact: ROB BAKER
Phone: 763-784-1022
PO Number: NONE
Procedure: NIST SOP 8
Technician ID: 11

Item(s) Submitted: Cast Hand Weights
Manufacturer: Rice Lake
Weight Type: II
Equipment ID: None
Condition: Good
Temperature: 20.4 °C
Pressure: 727.6 mmHg
Relative Humidity: 50.5 %



Nominal Value	Serial No.	CM Correction (mg)		NIST HB105-1 Class		k	U (mg)
		As Found	As Left	As Found	As Left		
25 lb	25121	2077	257	*	F	2.02	52
25 lb	25122	857	857	F	F	2.02	52
25 lb	25123	1527	87	*	F	2.02	52
25 lb	25124	1257	67	*	F	2.02	52
25 lb	25125	1267	477	*	F	2.02	52
25 lb	25126	637	637	F	F	2.02	52
25 lb	25127	867	867	F	F	2.02	52
25 lb	25128	1727	237	*	F	2.02	52
25 lb	25129	1037	1037	F	F	2.02	52
25 lb	25130	1167	17	*	F	2.02	52
25 lb	25131	1017	1017	F	F	2.02	52
25 lb	25132	977	977	F	F	2.02	52
25 lb	25133	907	907	F	F	2.02	52
25 lb	25134	537	537	F	F	2.02	52
25 lb	25135	1327	67	*	F	2.02	52
25 lb	25136	1907	227	*	F	2.02	52
25 lb	25137	1247	117	*	F	2.02	52
25 lb	25138	207	207	F	F	2.02	52
25 lb	25139	797	797	F	F	2.02	52
25 lb	25140	507	507	F	F	2.02	52
25 lb	25141	1387	137	*	F	2.02	52
25 lb	25142	2007	-13	*	F	2.02	52
25 lb	25143	1917	437	*	F	2.02	52
25 lb	25144	1567	37	*	F	2.02	52
25 lb	25145	1287	527	*	F	2.02	52
25 lb	25146	1097	47	*	F	2.02	52

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

Receipt Date: October 25, 2017
Cal. Date: October 26, 2017
Report Date: October 26, 2017

Report No.: 338357
Set Serial No.: 25121 - 25160
Barcode: 200651

Continued,

Calibration Certificate

KENNEDY SCALE, INC.
11485 XEON STREET NW
COON RAPIDS, MN 55448
Contact: ROB BAKER
Phone: 763-784-1022
PO Number: NONE
Procedure: NIST SOP 8
Technician ID: 11

Item(s) Submitted: Cast Hand Weights
Manufacturer: Rice Lake
Weight Type: II
Equipment ID: None
Condition: Good
Temperature: 20.4 °C
Pressure: 727.6 mmHg
Relative Humidity: 50.5 %



Nominal Value	lb	Serial No.	CM Correction (mg)		NIST HB105-1 Class		k	U (mg)
			As Found	As Left	As Found	As Left		
25	lb	25147	1297	27	*	F	2.02	52
25	lb	25148	1537	167	*	F	2.02	52
25	lb	25149	1897	737	*	F	2.02	52
25	lb	25150	1527	217	*	F	2.02	52
25	lb	25151	1797	-73	*	F	2.02	52
25	lb	25152	707	707	F	F	2.02	52
25	lb	25153	1637	167	*	F	2.02	52
25	lb	25154	1847	117	*	F	2.02	52
25	lb	25155	1367	337	*	F	2.02	52
25	lb	25156	1237	327	*	F	2.02	52
25	lb	25157	967	967	F	F	2.02	52
25	lb	25158	1717	27	*	F	2.02	52
25	lb	25159	1687	-3	*	F	2.02	52
25	lb	25160	1167	17	*	F	2.02	52

* Weight(s) as found exceed 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/cm³ density and an air density of 1.2 mg/cm³ at 20 °C. The items listed above have been calibrated using 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. All of the tolerances and specifications were evaluated according to NIST Handbook 105-1 (1990). Uncertainty calculations contain the components in NIST SOP 8 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including coverage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to items identified in this report only.

Pete Whebbe

Pete Whebbe
Metrologist

Reviewed by:

Erik Alfvin

Erik Alfvin
Metrologist

Receipt Date: March 31, 2017
Cal. Date: April 10, 2017
Report Date: April 10, 2017

Report No.: 337517
Set Serial No.: 6F11-L
Barcode: 203203

Calibration Certificate

KENNEDY SCALE, INC.
11485 XEON STREET NW
COON RAPIDS, MN 55448
Contact: ROB BAKER
Phone: 763-784-1022
PO Number: NONE
Procedure: NIST SOP 8
Technician ID: 11

Item(s) Submitted: Cast Hand Weights
Manufacturer: Rice Lake
Weight Type: II
Equipment ID: None
Condition: Excellent
Temperature: 21.8 °C
Pressure: 735.9 mmHg
Relative Humidity: 49.7 %



Nominal Value	Serial No.	CM Correction (mg)		NIST HB105-1 Class		k	U (mg)
		As Found	As Left	As Found	As Left		
25 lb	6F1I	-831	369	F	F	2.01	52
25 lb	6F1J	-1951	9	*	F	2.01	52
25 lb	6F1K	-1831	459	*	F	2.01	52
25 lb	6F1L	-1641	19	*	F	2.01	52

* Weight(s) as found exceed NIST 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/cm³ density and an air density of 1.2 mg/cm³ at 20 °C. The items listed above have been calibrated using 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. All of the tolerances and specifications were evaluated according to NIST Handbook 105-1 (1990). Uncertainty calculations contain the components in NIST SOP 8 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including coverage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to items identified in this report only.

Pete Whebbe

Peter J. Whebbe
Metrologist

Reviewed by:
Mark Nicollet

Mark Nicollet
Quality Manager

Receipt Date: October 25, 2017
Cal. Date: November 7, 2017
Report Date: November 7, 2017

Report No.: 338360
Set Serial No.: A6
Barcode: 200640

Calibration Certificate

KENNEDY SCALE, INC.
11485 XEON STREET NW
COON RAPIDS, MN 55448
Contact: ROB BAKER
Phone: 763-784-1022
PO Number: NONE
Procedure: NIST SOP 8
Technician ID: 09

Item(s) Submitted: 30 lb kit w/ decimals & ounces
Manufacturer: Rice Lake
Weight Type: I & II
Equipment ID: None
Condition: Good
Temperature: 19.8 °C
Pressure: 748.1 mmHg
Relative Humidity: 50.2 %



Nominal Value	Serial No.	CM Correction (mg)		NIST HB105-1 Class		k	U (mg)
		As Found	As Left	As Found	As Left		
10 lb		143	143	F	F	2.03	12
10 lb		69	69	F	F	2.03	12
5 lb		50.2	50.2	F	F	2.03	6.0
1 lb		10.5	10.5	F	F	2.03	1.6
1 lb		15.6	15.6	F	F	2.03	1.6
1 lb		12.2	12.2	F	F	2.03	1.6
1 lb		10.1	10.1	F	F	2.03	1.6
1 lb		0.3	0.3	F	F	2.03	1.6
0.2 lb		7.83	7.83	F	F	2.03	0.22
0.2 lb		-1.51	-1.51	F	F	2.03	0.22
0.1 lb		0.00	0.00	F	F	2.03	0.14
0.05 lb		-0.47	-0.47	F	F	2.03	0.11
0.02 lb		-0.666	-0.666	F	F	2.03	0.066
0.02 lb		-0.382	-0.382	F	F	2.03	0.066
0.01 lb		0.274	0.274	F	F	2.03	0.052

Receipt Date: October 25, 2017
Cal. Date: November 7, 2017
Report Date: November 7, 2017

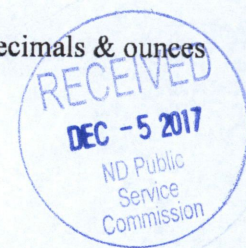
Report No.: 338360
Set Serial No.: A6
Barcode: 200640

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338360
A6
200640

Calibration Certificate

KENNEDY SCALE, INC.
11485 XEON STREET NW
COON RAPIDS, MN 55448
Contact: ROB BAKER
Phone: 763-784-1022
PO Number: NONE
Procedure: NIST SOP 8
Technician ID: 09

Item(s) Submitted: 30 lb kit w/ decimals & ounces
Manufacturer: Rice Lake
Weight Type: I & II
Equipment ID: None
Condition: Good
Temperature: 19.8 °C
Pressure: 748.1 mmHg
Relative Humidity: 50.2 %



Nominal Value	Serial No.	CM Correction (mg)		NIST HB105-1 Class		k	U (mg)
		As Found	As Left	As Found	As Left		
4 oz		10.80	10.80	F	F	2.00	0.22
4 oz		9.94	9.94	F	F	2.00	0.22
4 oz		3.31	3.31	F	F	2.00	0.22
1 oz		1.58	1.58	F	F	2.00	0.11
1 oz		0.99	0.99	F	F	2.00	0.11
1 oz		1.45	1.45	F	F	2.00	0.11
1/2 oz		1.104	1.104	F	F	2.00	0.092
1/2 oz		1.113	1.113	F	F	2.00	0.092
1/4 oz		0.793	0.793	F	F	2.00	0.056
1/4 oz		0.500	0.500	F	F	2.00	0.056

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 at 20 °C. The items listed above have been calibrated using 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. All of the tolerances and specifications were evaluated according to NIST Handbook 105-1 (1990). Uncertainty calculations contain the components in NIST SOP 8 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including coverage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to items identified in this report only.

Heidi Jones
Heidi Jones
Laboratory Administrator

Reviewed by:
Erik Alfvin
Erik Alfvin
Metrologist

Receipt Date: October 25, 2017
Cal. Date: October 26, 2017
Report Date: October 26, 2017

Report No.: 338358
Set Serial No.: M6
Barcode: 018947

Calibration Certificate

KENNEDY SCALE, INC.
11485 XEON STREET NW
COON RAPIDS, MN 55448
Contact: ROB BAKER
Phone: 763-784-1022
PO Number: NONE
Procedure: NIST SOP 8
Technician ID: 09

Item(s) Submitted: Metric weight set
Manufacturer: Rice Lake
Weight Type: I & II
Equipment ID: None
Condition: Good
Temperature: 19.1 °C
Pressure: 726.3 mmHg
Relative Humidity: 47.0 %



Nominal Value	Serial No.	CM Correction (mg)		NIST HB105-1 Class		k	U (mg)
		As Found	As Left	As Found	As Left		
5000 g		159	159	F	F	2.04	13
2000 g		67.1	67.1	F	F	2.02	5.7
2000 g		80.1	80.1	F	F	2.02	5.7
1000 g		37.7	37.7	F	F	2.02	2.5
500 g		24.8	24.8	F	F	2.02	2.0
200 g		7.18	7.18	F	F	2.02	0.55
200 g		6.08	6.08	F	F	2.02	0.55
100 g		2.93	2.93	F	F	2.02	0.25
50 g		4.04	4.04	F	F	2.02	0.16
20 g		1.65	1.65	F	F	2.02	0.11
20 g		0.59	0.59	F	F	2.02	0.11
10 g		0.701	0.701	F	F	2.02	0.072
5 g		0.865	0.865	F	F	2.02	0.054
2 g		0.324	0.324	F	F	2.02	0.048
2 g		0.496	0.496	F	F	2.02	0.048
1 g		0.530	0.530	F	F	2.05	0.039

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 at 20 °C. The items listed above have been calibrated using 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. All of the tolerances and specifications were evaluated according to NIST Handbook 105-1 (1990). Uncertainty calculations contain the components in NIST SOP 8 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008), including coverage factors (k) calculated at the approximate 95.45 % confidence level. Results apply to items identified in this report only.

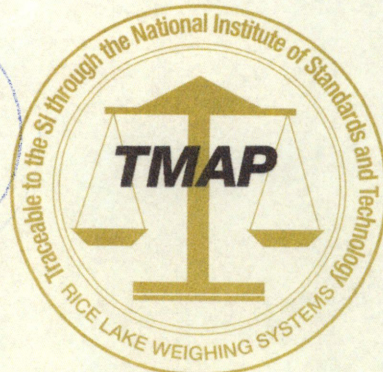
Heidi Jones
Heidi Jones
Laboratory Administrator

Reviewed by:
Pete Whebbe
Pete Whebbe
Metrologist

Contractor: Kennedy Scales Inc
 11485 Xeon St NW
 Coon Rapids, MN 55448-3150

Purchase Order #: 6428-SVC
Client: Kennedy Scales Inc
Address: 11485 Xeon St NW

City & State: Coon Rapids, MN 55448
Date Received: 07 DEC 2016
Date Calibrated: 09 DEC 2016
Temperature Range: 21.15 to 21.41 °C
Pressure Range: 738.1 to 743.6 mmHg
Relative Humidity Range: 48 to 56 %
Air Density: 1.1581 to 1.1672 mg/cm³
Traceable Report #: 2525077
NIST Certificate #: 684/286541-15, 684/284451-14
Tested By: 03, 19
Procedure: Mass Dissemination (reference HB 952)
Contractor Req Recall Date: 1 Year
Primary Standard Calibration Date: 03/16/15, 11/26/13 **Due:** 03/15/19, 11/24/17
Description of Weights: 10 mg & 500 mg Leaf Weights & 1 g to 5 kg Polished Weight Set, ASTM Class 1, S/N M12
 Although there are two NIST numbers, one or both may apply.



APPROVED

PC 12-13-16

Nominal Value	Id.	Conventional Mass Corr.		Unc. ¹ K=2 (mg)	Tol. (mg)	Balance Used	Standard Set Used		Assumed Density (g/cm ³)
		As Found (mg)	As Left (mg)				Calibrated/due MM-DD-YY/MM-DD-YY		
10 mg		0.0023	0.0023	0.0024	0.010	503Q	L595Q	10-06-16/01-06-17	7.95
500 mg		-0.0020	-0.0020	0.0016	0.010	503Q	L595Q	10-06-16/01-06-17	7.95
1 g		0.0093	0.0093	0.0018	0.034	503Q	L595Q	10-06-16/01-06-17	7.95
2 g		0.0235	0.0235	0.0023	0.034	503Q	L595Q	10-06-16/01-06-17	7.95
2 g		0.0072	0.0072	0.0023	0.034	503Q	L595Q	10-06-16/01-06-17	7.95
5 g		0.0119	0.0119	0.0047	0.034	503Q	L595Q	10-06-16/01-06-17	7.95
10 g		0.0107	0.0107	0.0081	0.050	1470Q	L595Q	10-06-16/01-06-17	7.95
20 g		0.014	0.014	0.011	0.074	1470Q	L595Q	10-06-16/01-06-17	7.95
20 g		-0.009	-0.009	0.011	0.074	1470Q	L595Q	10-06-16/01-06-17	7.95
50 g		0.034	0.034	0.022	0.12	1470Q	L595Q	10-06-16/01-06-17	7.95
100 g		-0.070	-0.070	0.038	0.25	699Q	L595Q	10-06-16/01-06-17	7.95
200 g		0.193	0.193	0.042	0.50	699Q	L595Q	10-06-16/01-06-17	7.95
200 g		0.127	0.127	0.042	0.50	699Q	L595Q	10-06-16/01-06-17	7.95
500 g		0.386	0.386	0.071	1.2	699Q	L595Q	10-06-16/01-06-17	7.95
1 kg		0.69	0.69	0.12	2.5	699Q	L595Q	10-06-16/01-06-17	7.95
2 kg		2.15	2.15	0.45	5.0	124Q	L595Q	10-06-16/01-06-17	7.95
2 kg		1.57	1.57	0.45	5.0	124Q	L595Q	10-06-16/01-06-17	7.95
5 kg		5.23	5.23	0.80	12	124Q	L595Q	10-06-16/01-06-17	7.95
5 kg		4.95	4.95	0.80	12	124Q	L595Q	10-06-16/01-06-17	7.95

¹ Uncertainties apply to As Left values only

APPROVED



This report contains data not covered by the NVLAP Accreditation if the box is checked.

Check with your local state agency for certification of compliance on Legal for Trade items.
 The weight tolerance class is referenced in the Description of Weights. Unless otherwise noted, weights tested meet the requirements of the class.
 *The specifications for the weight classes can be found in NIST Handbook 105-1, ASTM E-617 or OIML R111.

Prepared By:
Rice Lake Weighing Systems
 230 West Coleman Street, Rice Lake, WI 54868 • USA
 TEL: 715-234-9171 • FAX: 715-234-6967 • www.ricelake.com
 An ISO 9001 registered company

Dated **12 DEC 2016**

Dan Demers
Dan Demers Metrologist



United States Department of Commerce

National Institute of Standards and Technology

Certificate of Metrological Traceability For:

Minnesota



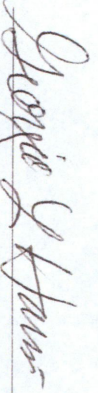
This laboratory has demonstrated evidence of an unbroken chain of metrological traceability of its standards to the international system of units (SI), documented measurement uncertainties, uses documented measurement procedures, successfully completed training and proficiency tests, documented calibration 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

2017

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


Georgia L. Harris, Acting Chief
NIST Office of Weights and Measures

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

Amended: 2016-12-31
Scope modified for 2017.