

# RLWS *Mass Value* CERTIFICATE

Contractor:

**K Scales of South Dakota &**

West River Scale  
1701 W Madison St Ste 100  
Sioux Falls, SD 57104 5723

Purchase Order #:

PO13643

Client:

**K-Scale LLC**

Address:

1701 W Madison St  
Ste 100

City & State:

Sioux Falls, SD 57104

Date Received:

09 JUL 2013

Date Calibrated:

15 JUL 2013

Temperature Range:

21.18 to 21.47 °C

Pressure Range:

737.9 to 738.1 mmHg

Relative Humidity Range:

49 to 51 %

Air Density:

1.1576 to 1.1589 mg/cm<sup>3</sup>

Traceable Report #:

2024306

NIST Certificate #:

681/280058-10, 822/278785-10

Tested By:

12

Procedure:

Modified Substitution (WI05-0023)

Contractor Req Recall Date:

2 Years

Primary Standard Calibration Date:

02/11/11, 10/21/09

Due: 02/11/15, 10/21/13

Description of Weights:

1 g - 100 g Polished Kit, ASTM Class "3", S/N 0VC3

Although there are two NIST numbers, one or both may apply.



Nominal Value	Id.	Conventional Mass Corr.		Unc. K=2 (mg)	Tol. (mg)	Balance Used	Standard Set Used		Assumed Density (g/cm <sup>3</sup> )
		As Found (mg)	As Left (mg)				Calibrated/due	MM-DD-YY/MM-DD-YY	
1 g		0.0356	<b>0.0356</b>	0.0020	0.10	327Q	K594Q	05-07-13/08-07-13	7.95
2 g		0.0431	<b>0.0431</b>	0.0029	0.13	327Q	K594Q	05-07-13/08-07-13	7.95
3 g		0.0315	<b>0.0315</b>	0.0040	0.15	327Q	K594Q	05-07-13/08-07-13	7.95
5 g		-0.0295	<b>-0.0295</b>	0.0059	0.18	327Q	K594Q	05-07-13/08-07-13	7.95
10 g		0.063	<b>0.063</b>	0.012	0.25	676Q	K594Q	05-07-13/08-07-13	7.95
20 g		0.048	<b>0.048</b>	0.013	0.35	676Q	K594Q	05-07-13/08-07-13	7.95
30 g		0.146	<b>0.146</b>	0.019	0.45	1183Q	K594Q	05-07-13/08-07-13	7.95
50 g		-0.012	<b>-0.012</b>	0.024	0.60	1183Q	K594Q	05-07-13/08-07-13	7.95
100 g		0.086	<b>0.086</b>	0.043	1.0	1183Q	K594Q	05-07-13/08-07-13	7.95

Check with your local state agency for certification of compliance on legal-for-trade items.

Prepared By:

**RICE LAKE**  
WEIGHING SYSTEMS



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230 West Coleman Street • Rice Lake, WI 54868 • USA  
TEL: 715-234-9174 • FAX: 715-234-6967

Dated 15 JUL 2013

*Debbie Schieffer*  
Debbie Schieffer Lab Supervisor

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PN 38914 4/09

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Purchase Order #:

PO13643

Client:

**K-Scale LLC**

Address:

1701 W Madison St  
Ste 100  
Sioux Falls, SD 57104

City & State:

Date Received:

09 JUL 2013

Date Calibrated:

15 JUL 2013

Temperature Range:

21.18 °C

Pressure Range:

737.9 mmHg

Relative Humidity Range:

51 %

Air Density:

1.1588 mg/cm<sup>3</sup>

Traceable Report #:

2024306A

NIST Certificate #:

681/280058-10, 822/278785-10

Tested By:

12

Procedure:

Modified Substitution (WI05-0023)

Contractor Req Recall Date:

2 Years

Primary Standard Calibration Date:

02/11/11, 10/21/09      **Due:** 02/11/15, 10/21/13

Description of Weights:

100 g Polished Weight, ASTM Class "3", S/N 06-J17124-22

Although there are two NIST numbers,  
one or both may apply.



Nominal Value	Id.	Conventional Mass Corr.		Unc. K=2 (mg)	Tol. (mg)	Balance Used	Standard Set Used Calibrated/due MM-DD-YY/MM-DD-YY	Assumed Density (g/cm <sup>3</sup> )
		As Found (mg)	As Left (mg)					
100 g		-0.569	-0.569	0.043	1.0	1183Q	K594Q 05-07-13/08-07-13	7.85

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**RICE LAKE**  
WEIGHING SYSTEMS



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Dated 15-JUL 2013

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Debbie Schieffer Lab Supervisor

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Date Received:

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Temperature Range:

Pressure Range:

Relative Humidity Range:

Air Density:

Traceable Report #:

NIST Certificate #:

Tested By:

Procedure:

Contractor Req Recall Date:

Primary Standard Calibration Date:

Description of Weights:

Although there are two NIST numbers,  
one or both may apply.

09 JUL 2013

15 JUL 2013

21.39 °C

738.1 mmHg

50 %

1.1583 mg/cm<sup>3</sup>

2024306B

681/280058-10, 822/278785-10

12

Modified Substitution (WI05-0023)

2 Years

02/11/11, 10/21/09 Due: 02/11/15, 10/21/13

200 g Polished Weight, ASTM Class "3", S/N 07-463352

Nominal Value	Id.	Conventional Mass Corr.		Unc. K=2 (mg)	Tol. (mg)	Balance Used	Standard Set Used Calibrated/due MM-DD-YY/MM-DD-YY	Assumed Density (g/cm <sup>3</sup> )
		As Found (mg)	As Left (mg)					
200 g		-0.095	-0.095	0.070	2.0	619Q	K594Q 05-07-13/08-07-13	7.85

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Prepared By:

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Page 1 of 1 Page

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*Debbie Schieffer*  
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