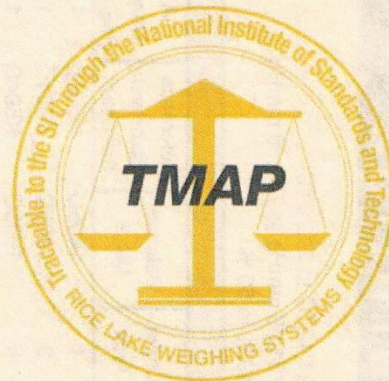


**Traceable Certificate Number:** 3291577  
**Contractor:** K-SCALE LLC  
 WEST RIVER SCALE LLC  
 1701 W MADISON ST STE 100  
 SIOUX FALLS, SD 57104-5723

**Purchase Order Number:** 17261  
**Client:** K-SCALE LLC  
 WEST RIVER SCALE LLC  
 1701 W MADISON ST STE 100  
 SIOUX FALLS, SD 57104-5723

**Date Received:** 15 Oct 2021  
**Date Calibrated:** 20 Oct 2021  
**Recalibration Date:** 20 Oct 2023  
**NIST Certificate Number:** 684/292805-19



If there are two NIST numbers, one or both may apply  
**Calibrated By:** 20  
**Procedure:** WI05-0095 Rev. D  
**Condition of Weights:** Acceptable for Calibration  
**Description of Weights:** 1 g to 100 g Polished Weight Set, ASTM Class 3, S/N 0VC3  
**Comments:**

**Key Notes**

- Finish Indicates the weight does not meet the finish requirements
- Material Indicates the weight does not meet the material requirements
- New Wt Indicates new weight
- Missing Wt Indicates replaced missing weight with new weight
- Damaged Wt Indicates replaced damaged weight
- Replaced OOT Indicates replaced out of tolerance weight
- OOT Indicates correction plus or minus Uncertainty greater than or equal to MPE
- Magnetic Wt Indicates replaced magnetic weight
- Design Indicates the weight does not meet the design or shape requirements
- Repainted Indicates the weight was repainted after As Found obtained
- Other See comments above

**Cleaning Levels**

- A Dusted with brush or cloth
- B Spot cleaned with ethyl alcohol
- C Full surface cleaned with ethyl alcohol
- D Spot cleaned with non-alcohol solvent followed by ethyl alcohol
- E Full surface cleaned with non-alcohol solvent followed by ethyl alcohol
- F No cleaning performed

**Material Abbreviations**

AL Aluminum	TA Tantalum
SS Stainless Steel	BR Brass
CI Cast Iron	PL Platinum
IR Iron	NS Nickel Silver
MS Mild Steel	OR Other/Unknown

Check with your local state agency for certification of compliance on Legal-for-Trade items. The weight accuracy class is referenced in the Description of Weights. Unless otherwise noted, the weights calibrated meet the requirements of the accuracy class. Results relate only to weights calibrated. The Surface Finishes of weights are evaluated visually. Weights are screened for magnetism using work instruction WI05-0035 when they are new, when requested by the customer or when weights are suspected of not meeting specifications. Density if measured is measured using OIML R111-1 (2004) method A2. Conventional Mass is reported based on a reference density of 8.0 g/cm<sup>3</sup>. The Uncertainty of Measurement is included in the determination of Maximum Permissible Error (MPE) Pass/Fail Criteria. The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook 105-1 (2019), NIST Handbook 105-1 (1990), ASTM E617-18 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

The Uncertainty assigned to the Conventional Mass values are the result of the root-sum-square of the type A and type B components, calculated in accordance with NIST SOP 29 and the Guide to the expression of uncertainty in measurement, with coverage factor ( $k=2$ ), to express the expanded uncertainty with an approximate 95.45% confidence level. This report is not to be used to claim product certification, approval, or endorsement by NVLAP, NIST, A2LA, or any government agency. This document shall not be reproduced, except in full, without the written approval of Rice Lake Weighing Systems.

Dan Demers, Metrologist

**20 Oct 2021**

Date:

Prepared By:  
**Rice Lake Weighing Systems**®•PN 38914•06/20  
 230 West Coleman Street•Rice Lake, WI 54868•USA  
 TEL: 715-234-9171•FAX: 715-234-6967  
 Definitions: <http://certs.ricelake.com/certs/DefinitionsV2.docx>  
 Page 1 of 2



# RICE LAKE

# Certificate of Weight Calibration

Traceable Certificate Number: 3291577  
 Client: K-SCALE LLC  
 Date Calibrated: 20 Oct 2021

Temperature Range: 21.12 °C to 21.20 °C  
 Pressure Range: 731.05 mmHg to 731.38 mmHg  
 Relative Humidity Range: 49 % to 50 %

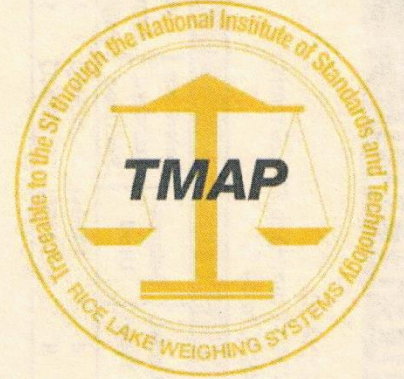
As Left Data (As Found only shown when different than As Left)															
Nominal Value	Unique ID	True Mass	True Mass Corr. (mg)	Conv. Mass	Conv. Mass Corr. (mg)	(k=2) Unc. (± mg)	MPE (± mg)	MPE Pass	Assumed Density (g/cm <sup>3</sup> )	Assumed Material	Const. Type	Balance Used	Reference Standard Set Used	Air Density (mg/cm <sup>3</sup> )	Clean Level
1 g	1.0000342	1.0000342	0.0342	1.0000332	0.0332	0.0028	0.10	Y	7.95	SS	I	1605Q	K594Q	1.1487	A
2 g	2.0000466	2.0000466	0.0466	2.0000447	0.0447	0.0032	0.13	Y	7.95	SS	II	1605Q	K594Q	1.1490	A
3 g	3.0000327	3.0000327	0.0327	3.0000299	0.0299	0.0032	0.15	Y	7.95	SS	II	1605Q	K594Q	1.1486	A
5 g	4.9999491	4.9999491	-0.0509	4.9999444	-0.0556	0.0061	0.18	Y	7.95	SS	II	1605Q	K594Q	1.1486	A
10 g	10.000059	10.000059	0.059	10.000050	0.050	0.013	0.25	Y	7.95	SS	II	676Q	K594Q	1.1483	A
20 g	20.000044	20.000044	0.044	20.000025	0.025	0.017	0.35	Y	7.95	SS	II	676Q	K594Q	1.1486	A
30 g	30.000110	30.000110	0.110	30.000082	0.082	0.019	0.45	Y	7.95	SS	II	1631Q	K594Q	1.1491	A
50 g	49.999941	49.999941	-0.059	49.999894	-0.106	0.025	0.60	Y	7.95	SS	II	1631Q	K594Q	1.1490	A
100 g	99.999970	99.999970	-0.030	99.999875	-0.125	0.052	1.0	Y	7.95	SS	II	1631Q	K594Q	1.1489	A



**Traceable Certificate Number:** 3291577A  
**Contractor:** K-SCALE LLC  
 WEST RIVER SCALE LLC  
 1701 W MADISON ST STE 100  
 SIOUX FALLS, SD 57104-5723

**Purchase Order Number:** 17261  
**Client:** K-SCALE LLC  
 WEST RIVER SCALE LLC  
 1701 W MADISON ST STE 100  
 SIOUX FALLS, SD 57104-5723

**Date Received:** 15 Oct 2021  
**Date Calibrated:** 20 Oct 2021  
**Recalibration Date:** 20 Oct 2023  
**NIST Certificate Number:** 684/292805-19



If there are two NIST numbers, one or both may apply  
**Calibrated By:** 20  
**Procedure:** WI05-0095 Rev. D  
**Condition of Weights:** Acceptable for Calibration  
**Description of Weights:** 100 g S/N 06-J17124-22 and 200 g S/N 07-463352 Polished Weights, ASTM Class 3  
**Comments:**

**Key Notes**

- Finish Indicates the weight does not meet the finish requirements
- Material Indicates the weight does not meet the material requirements
- New Wt Indicates new weight
- Missing Wt Indicates replaced missing weight with new weight
- Damaged Wt Indicates replaced damaged weight
- Replaced OOT Indicates replaced out of tolerance weight
- OOT Indicates correction plus or minus Uncertainty greater than or equal to MPE
- Magnetic Wt Indicates replaced magnetic weight
- Design Indicates the weight does not meet the design or shape requirements
- Repainted Indicates the weight was repainted after As Found obtained
- Other See comments above

**Cleaning Levels**

- A Dusted with brush or cloth
- B Spot cleaned with ethyl alcohol
- C Full surface cleaned with ethyl alcohol
- D Spot cleaned with non-alcohol solvent followed by ethyl alcohol
- E Full surface cleaned with non-alcohol solvent followed by ethyl alcohol
- F No cleaning performed

**Material Abbreviations**

- |                    |                  |
|--------------------|------------------|
| AL Aluminum        | TA Tantalum      |
| SS Stainless Steel | BR Brass         |
| CI Cast Iron       | PL Platinum      |
| IR Iron            | NS Nickel Silver |
| MS Mild Steel      | OR Other/Unknown |

Check with your local state agency for certification of compliance on Legal-for-Trade items. The weight accuracy class is referenced in the Description of Weights. Unless otherwise noted, the weights calibrated meet the requirements of the accuracy class. Results relate only to weights calibrated. The Surface Finishes of weights are evaluated visually. Weights are screened for magnetism using work instruction WI05-0035 when they are new, when requested by the customer or when weights are suspected of not meeting specifications. Density if measured is measured using OIML R111-1 (2004) method A2. Conventional Mass is reported based on a reference density of 8.0 g/cm<sup>3</sup>. The Uncertainty of Measurement is included in the determination of Maximum Permissible Error (MPE) Pass/Fail Criteria. The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook 105-1 (2019), NIST Handbook 105-1 (1990), ASTM E617-18 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

The Uncertainty assigned to the Conventional Mass values are the result of the root-sum-square of the type A and type B components, calculated in accordance with NIST SOP 29 and the Guide to the expression of uncertainty in measurement, with coverage factor ( $k=2$ ), to express the expanded uncertainty with an approximate 95.45% confidence level. This report is not to be used to claim product certification, approval, or endorsement by NVLAP, NIST, A2LA, or any government agency. This document shall not be reproduced, except in full, without the written approval of Rice Lake Weighing Systems.

Dan Demers, Metrologist

**20 Oct 2021**  
 Date:

Prepared By:  
**Rice Lake Weighing Systems**® • PN 38914 • 06/20  
 230 West Coleman Street • Rice Lake, WI 54868 • USA  
 TEL: 715-234-9171 • FAX: 715-234-6967  
 Definitions: <http://certs.ricelake.com/certs/DefinitionsV2.docx>  
 Page 1 of 2



# RICE LAKE Certificate of Weight Calibration

Traceable Certificate Number: 3291577A  
 Client: K-SCALE LLC  
 Date Calibrated: 20 Oct 2021

Temperature Range: 21.14 °C  
 Pressure Range: 731.17 mmHg to 731.29 mmHg  
 Relative Humidity Range: 48 % to 49 %

As Left Data (As Found only shown when different than As Left)															
Nominal Value	Unique ID	True Mass	True Mass Corr. (mg)	Conv. Mass	Conv. Mass Corr. (mg)	(k=2) Unc. (± mg)	MPE (± mg)	MPE Pass	Assumed Density (g/cm <sup>3</sup> )	Assumed Material	Const. Type	Balance Used	Reference Standard Set Used	Air Density (mg/cm <sup>3</sup> )	Clean Level
100 g	06-J17124-22	99.999646	-0.354	99.999359	-0.641	0.052	1.0	Y	7.85	SS	II	1631Q	K594Q	1.1488	A
200 g	07-463352	200.000481	0.481	199.999908	-0.092	0.028	2.0	Y	7.85	SS	II	1810Q	K594Q	1.1491	A