RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

Traceable Certificate Number: 4067323
Contractor: BASTROP SCALE COMPANY
PO BOX 2100
BASTROP, TX 78602-9100

Purchase Order Number: 260508KB01
Client: BASTROP SCALE COMPANY
192 HARMON RD
BASTROP, TX 78602

Date Received: 28 May 2026
Date Calibrated: 29 May 2026 to 03 Jun 2026
Recalibration Date: 29 May 2027
NIST Certificate Number: 684/O-0000078300
If there are two NIST numbers, one or both may apply
Calibrated By: 05, 38
Procedure: WI05-0095 Rev. G
Condition of Weights: Acceptable for Calibration
Description of Weights: 1 mg to 100 g Polished Weight Set, ASTM Class 1, S/N AP-1M89
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^3. 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 E617-23 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.

Dan Demers, Metrologist

NVLAP CALIBRATION
NVLAP LAB CODE 105001-0

03 Jun 2026
Issued Date:

A2LA ACCREDITED
Certificate #4363.01

Prepared By:
Rice Lake Weighing Systems® ● PN 64784 ● 6/25
230 West Coleman Street ● Rice Lake, WI 54868 ● USA
TEL: 715-234-9171 ● FAX: 715-234-6967
Definitions: http://certs.ricelake.com/certs/0354_Term_Cert_Weight_Cal_Rev1.pdf

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Client: BASTROP SCALE COMPANY
Date Calibrated: 29 May 2026 to 03 Jun 2026

Temperature Range: 21.92 °C to 22.13 °C
Pressure Range: 730.79 mmHg to 735.28 mmHg
Relative Humidity Range: 51 % to 56 %

As Left Data (As Found Data is undifferentiated from As Left Data unless listed in As Found Data table)

Nominal Value	Unique ID	True Mass (Same UOM as Nom.)	True Mass Corr. (mg)	Conv. Mass (Same UOM as Nom.)	Conv. Mass Corr. (mg)	(*k*=2) Unc. (± mg)	MPE (± mg)	MPE Pass (Y=Pass N=Fail)	Assumed Density (g/cm^3)	Assumed Material	Const. Type	Balance Used	Reference Standard Set Used	Air Density (mg/cm^3)	Clean Level
1 mg	AP-1M89	1.00445	0.00445	**1.00444**	**0.00444**	0.00098	0.010	Y	7.95	SS	I	503Q	T535Q	1.1517	A
2 mg	AP-1M89	2.00334	0.00334	**2.00334**	**0.00334**	0.00075	0.010	Y	7.95	SS	I	503Q	T535Q	1.1512	A
2 mg	AP-1M89.	2.00489	0.00489	**2.00489**	**0.00489**	0.00075	0.010	Y	7.95	SS	I	503Q	T535Q	1.1511	A
5 mg	AP-1M89	5.00147	0.00147	**5.00147**	**0.00147**	0.00094	0.010	Y	7.95	SS	I	503Q	T535Q	1.1514	A
10 mg	AP-1M89	9.9942	-0.0058	**9.9941**	**-0.0059**	0.0011	0.010	Y	7.95	SS	I	503Q	T535Q	1.1517	A
20 mg	AP-1M89	20.00145	0.00145	**20.00143**	**0.00143**	0.00098	0.010	Y	7.95	SS	I	503Q	T535Q	1.1516	A
20 mg	AP-1M89.	19.99468	-0.00532	**19.99466**	**-0.00534**	0.00098	0.010	Y	7.95	SS	I	503Q	T535Q	1.1516	A
50 mg	AP-1M89	50.00119	0.00119	**50.00114**	**0.00114**	0.00072	0.010	Y	7.95	SS	I	2022Q	L595Q	1.1438	A
100 mg	AP-1M89	99.99599	-0.00401	**99.99589**	**-0.00411**	0.00070	0.010	Y	7.95	SS	I	2022Q	L595Q	1.1438	A
200 mg	AP-1M89	199.99749	-0.00251	**199.99730**	**-0.00270**	0.00060	0.010	Y	7.95	SS	I	2022Q	L595Q	1.1438	A
200 mg	AP-1M89.	199.99989	-0.00011	**199.99970**	**-0.00030**	0.00060	0.010	Y	7.95	SS	I-	2022Q	L595Q	1.1438	A
500 mg	AP-1M89	500.00547	0.00547	**500.00500**	**0.00500**	0.00078	0.010	Y	7.95	SS	I	2022Q	L595Q	1.1438	A
1 g	AP-1M89	1.0000017	0.0017	**1.0000007**	**0.0007**	0.0011	0.034	Y	7.95	SS	I	2022Q	L595Q	1.1438	A
2 g	AP-1M89	1.9999847	-0.0153	**1.9999828**	**-0.0172**	0.0013	0.034	Y	7.95	SS	II	2022Q	L595Q	1.1438	A
2 g	AP-1M89.	1.9999961	-0.0039	**1.9999942**	**-0.0058**	0.0013	0.034	Y	7.95	SS	II	2022Q	L595Q	1.1438	A
5 g	AP-1M89	5.0000172	0.0172	**5.0000125**	**0.0125**	0.0029	0.034	Y	7.95	SS	II	2022Q	L595Q	1.1438	A
10 g	AP-1M89	10.0000005	0.0005	**9.9999911**	**-0.0089**	0.0057	0.050	Y	7.95	SS	II	2060Q	U520Q	1.1453	A
20 g	AP-1M89	20.0000202	0.0202	**20.0000014**	**0.0014**	0.0054	0.074	Y	7.95	SS	II	2060Q	U520Q	1.1453	A
20 g	AP-1M89.	20.0000412	0.0412	**20.0000224**	**0.0224**	0.0054	0.074	Y	7.95	SS	II	2060Q	U520Q	1.1453	A
50 g	AP-1M89	50.000068	0.068	**50.000021**	**0.021**	0.012	0.12	Y	7.95	SS	II	2060Q	U520Q	1.1453	A
100 g	AP-1M89	100.000018	0.018	**99.999924**	**-0.076**	0.023	0.25	Y	7.95	SS	II	2060Q	U520Q	1.1453	A