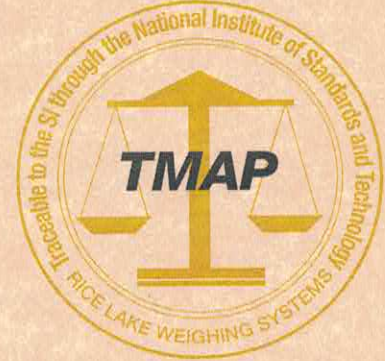


Traceable Certificate Number: 2662024
Contractor: BASTROP SCALE COMPANY
 192 HARMON RD
 PO DRAWER 2100
 BASTROP, TX 78602

Purchase Order Number: 171016KB02
Client: BASTROP SCALE COMPANY
 192 HARMON RD
 PO DRAWER 2100
 BASTROP, TX 78602

Date Received: 25 Oct 2017
Date Calibrated: 30 Oct 2017 to 31 Oct 2017
Recall Date: 30 Oct 2018
Temperature Range: 21.61 °C to 21.87 °C
Pressure Range: 720.87 mmHg to 731.81 mmHg
Relative Humidity Range: 48.23 % to 56.25 %
Air Density Range: 1.1288 mg/cm³ to 1.1475 mg/cm³
NIST Certificate Number: 684/286541-15 & 684/284451-14



Indicates Corr + Unc >= Tol

Although there are two NIST numbers, one or both may apply
Calibrated By: 20
Procedure: Inter-comparison Method (WI05-0095)
Condition of Weights: Acceptable for Calibration
Description of Weights: 1 mg to 100 g Polished Weight Kit, ASTM Class 1 S/N Q411

Nominal Value	ID or S/N	As Found			As Left			Unc. (mg)	k	MPE* (mg)	Balance Used	Standard Set Used	Assumed Density (g/cm ³)
		Conv. Mass	Conv. Mass Corr (mg)	MPE Pass	Conv. Mass	Conv. Mass Corr (mg)	MPE Pass						
1 mg		1.0042	0.0042	Y	1.0042	0.0042	Y	0.0012	2	0.010	1605Q	K594Q	7.95
2 mg		2.0050	0.0050	Y	2.0050	0.0050	Y	0.0011	2	0.010	1605Q	K594Q	7.95
2 mg		2.0042	0.0042	Y	2.0042	0.0042	Y	0.0011	2	0.010	1605Q	K594Q	7.95
5 mg		5.0012	0.0012	Y	5.0012	0.0012	Y	0.0012	2	0.010	1605Q	K594Q	7.95
10 mg		10.0008	0.0008	Y	10.0008	0.0008	Y	0.0017	2	0.010	1605Q	K594Q	7.95
20 mg		19.9940	-0.0060	Y	19.9940	-0.0060	Y	0.0015	2	0.010	1605Q	K594Q	7.95
20 mg		20.0049	0.0049	Y	20.0049	0.0049	Y	0.0015	2	0.010	1605Q	K594Q	7.95
50 mg		49.9961	-0.0039	Y	49.9961	-0.0039	Y	0.0017	2	0.010	1605Q	K594Q	7.95
100 mg		99.9982	-0.0018	Y	99.9982	-0.0018	Y	0.0021	2	0.010	1605Q	K594Q	7.95
200 mg		200.0001	0.0001	Y	200.0001	0.0001	Y	0.0021	2	0.010	1605Q	K594Q	7.95
200 mg		200.0042	0.0042	Y	200.0042	0.0042	Y	0.0021	2	0.010	1605Q	K594Q	7.95
500 mg		499.9990	-0.0010	Y	499.9990	-0.0010	Y	0.0022	2	0.010	1605Q	K594Q	7.95
1 g		0.9999689	-0.0311	Y	0.9999689	-0.0311	Y	0.0024	2	0.034	1605Q	K594Q	7.95
2 g		1.9999859	-0.0141	Y	1.9999859	-0.0141	Y	0.0022	2	0.034	1605Q	K594Q	7.95
2 g		1.9999887	-0.0113	Y	1.9999887	-0.0113	Y	0.0022	2	0.034	1605Q	K594Q	7.95
5 g		4.9999718	-0.0282	Y	4.9999718	-0.0282	Y	0.0034	2	0.034	1605Q	K594Q	7.95
10 g		9.999987	-0.013	Y	9.999987	-0.013	Y	0.011	2	0.050	676Q	K594Q	7.95
20 g		19.999905	-0.095	N <input checked="" type="checkbox"/>	20.000005	0.005	Y	0.011	2	0.074	676Q	K594Q	7.95
20 g		19.999902	-0.098	N <input checked="" type="checkbox"/>	20.000018	0.018	Y	0.011	2	0.074	676Q	K594Q	7.95

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.

Prepared By: Rice Lake Weighing Systems
 The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook 105-1 (1990), ASTM E617-13 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

230 West Coleman Street, Rice Lake, WI 54868 • USA
 TEL: 715-234-9171 • FAX: 715-234-6967 • www.ricelake.com

Dated 31 Oct 2017

Dan Demers, Metrologist

Definitions: <http://certs.ricelake.com/certs/DefinitionsV2.docx>

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 ISO GUM, with a coverage factor (k), to express the expanded uncertainty with an approximate 95.45 % confidence level.

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		Conv. Mass	Conv. Mass Corr (mg)	MPE Pass	Conv. Mass	Conv. Mass Corr (mg)	MPE Pass						
50 g		49.999641	-0.359	N <input checked="" type="checkbox"/>	50.000073	0.073	Y	0.016	2	0.12	1631Q	K594Q	7.95
100 g		99.998920	-1.080	N <input checked="" type="checkbox"/>	100.000122	0.122	Y	0.030	2	0.25	1631Q	K594Q	7.95

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.

Prepared By: The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook 105-1 (1990), ASTM E617-13 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

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