



CALIBRATION CERTIFICATE

Calibration Number
G-000010044

For
4 - 2500 lb Weights, 2 - 1000 lb Weights
10 - 50 lb Weights, 2 - 25 lb Weights
5 - Weight Kits

Submitted By
Bastrop Scale Company, Incorporated
PO Drawer 2100
Bastrop, Texas 78602
512-321-3443

The measurement results of the Texas Department of Agriculture, Giddings Metrology Laboratory are traceable to the International System of Units (SI) via the Consensus Value through the measurements at the National Institute of Standards and Technology (NIST) and are a part of comprehensive measurement assurance program for ensuring continuous accuracy and measurement traceability within the level of the uncertainty reported by this laboratory. The laboratory calibration number above is the unique report number to be used in referencing measurement traceability for artifacts identified in this certificate only. The data applies only to the artifacts identified in this certificate at the time of test. Calibration certificate shall not be reproduced, except in full, without written laboratory approval.

Calibration Date: 06/25/2026	Received Date: 06/24/2026
Calibration Due: 06/30/2027	Condition Received: Acceptable
Issue Date: 06/26/2026	
Average Temperature: 21.48 °C	
Average Humidity: 46.43 %	
Procedure: NISTIR 6969, SOP No. 8, Modified Substitution (Rev. 2019)	
Mass Standards: Giddings Metrology Laboratory Mass Echelon III Standards	

For cast-iron weights 10 kg and larger, acceptance tolerances corresponding to ASTM Class 6 (numerically equivalent to NIST Class F) have been applied. Listing ASTM Class 6 in the tolerance class column reflects the tolerance criteria used for evaluation only and does not constitute assignment, verification, or reclassification of weight class. Only compliance with tolerance specifications were evaluated for items listed on this certificate (failing values are indicated in the table, if any.) The uncertainty of the measurement was taken into account when making this statement of compliance. The weights were not evaluated for conformance with technical requirements (design, construction, material, magnetism, density, surface finish and marking.) Tolerances were taken from NIST 105-1 (1990), ASTM E617 (2023) or OIML R111 (2004).

The combined standard uncertainty consists of both Type A and Type B components, including the standard uncertainty reported for the standard, the standard uncertainty for the measurement process, and a component of uncertainty to account for any observed deviations that have a significant effect on the calibration combined, using the root sum square method. Air buoyancy was considered negligible and was not included. The uncertainty does not include contribution due to magnetism or irregular conditions on the surface of the weights. The expanded uncertainty given is in compliance with BIPM JCGM 100:2008, Guide to the Expression of Uncertainty in Measurement (GUM), 2008 and follows NISTIR 6969, SOP 29 (2019), with a variable k (coverage factor) representing a 95.45 % confidence level.

Note:

A positive correction indicates that the weight is heavier than the stated nominal value.
A negative correction indicates that the weight is lighter than the stated nominal value.

Conversions:

milligram (mg) to kilogram (kg): $kg = mg / 1000000$
milligram (mg) to gram (g): $g = mg / 1000$
milligram (mg) to pound (lb): $lb = mg \times 0.000002204622621848776$
milligram (mg) to ounce (oz): $oz = mg \times 0.00003527396194958041$

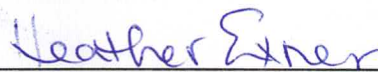
This certificate must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.


Lisa Corn

Manager for Metrology Laboratory
Agency Representative



NVLAP Lab Code 600376-0



Heather Exner
Metrologist
Approved Signatory



TEXAS DEPARTMENT OF AGRICULTURE

COMMISSIONER SID MILLER

Metrology Laboratory - 1258 CR 226 / P.O. Box 1518 - Giddings, Texas 78942

CALIBRATION CERTIFICATE

For

Calibration Date

06/25/2026

4 - 2500 lb Weights, 2 - 1000 lb Weights

10 - 50 lb Weights, 2 - 25 lb Weights

5 - Weight Kits

Calibration Number

G-000010044

Date Due

06/30/2027

Submitted by

Bastrop Scale Company, Incorporated

PO Drawer 2100

Bastrop, Texas 78602

Observations:

Average Temperature: 21.48 °C

Average Humidity: 46.43 %

SOP Used: NISTIR 6969, SOP No. 8, Modified Substitution

The artifacts described below have been compared to the standards of the State of Texas and were found to have the following mass corrections:

Nominal Value	Serial	ID #	As Found Mass Correction (mg)	As Left Mass Correction (mg)	Expanded Uncertainty (mg)	k factor	Tolerance Class	Tolerance Status	Tolerance (mg)
2500 lb	BS	624	10000	10000	24000	2.11	ASTM 6	In Tolerance	110000
2500 lb	BS	625	310000	3000	24000	2.11	ASTM 6	In Tolerance	110000
2500 lb	BS	626	-22000	-22000	24000	2.11	ASTM 6	In Tolerance	110000
2500 lb	BS	627	-29000	-29000	24000	2.11	ASTM 6	In Tolerance	110000
1000 lb	BS	620	-23800	-23800	6200	2.009	ASTM 6	In Tolerance	45000
1000 lb	BS	623	-19300	-19300	6200	2.009	ASTM 6	In Tolerance	45000
50 lb	BS	45	-3350	110	300	2.002	ASTM 6	In Tolerance	2300
50 lb	BS	52	-1480	-1480	300	2.002	ASTM 6	In Tolerance	2300
50 lb	BS	59	-1520	-1520	300	2.002	ASTM 6	In Tolerance	2300
50 lb	BS	608	-3850	60	300	2.002	ASTM 6	In Tolerance	2300
50 lb	BS	609	-1530	-1530	300	2.002	ASTM 6	In Tolerance	2300
50 lb	BS	611	-4130	100	300	2.002	ASTM 6	In Tolerance	2300
50 lb	BS	616	-7470	60	300	2.002	ASTM 6	In Tolerance	2300
50 lb	BS	6206	-2660	80	300	2.002	ASTM 6	In Tolerance	2300
50 lb	BS	6217	-6300	40	300	2.002	ASTM 6	In Tolerance	2300
50 lb	BS	612B	-4430	40	300	2.002	ASTM 6	In Tolerance	2300
25 lb	BS	6272	-2000	20	140	2.006	ASTM 6	In Tolerance	1100
25 lb	BS	6273	500	500	140	2.006	ASTM 6	In Tolerance	1100
5 kg	1LDU	-	167	167	60	2.005	NIST F	In Tolerance	500
2 kg	1LDU	-	74	74	24	2.008	NIST F	In Tolerance	200
2 kg	1LDU	*	82	82	24	2.008	NIST F	In Tolerance	200
1 kg	1LDU	-	33	33	12	2.007	NIST F	In Tolerance	100
500 g	1LDU	-	18.5	18.5	8.3	2.007	NIST F	In Tolerance	70
200 g	1LDU	-	13.2	13.2	4.7	2.009	NIST F	In Tolerance	40
200 g	1LDU	*	8.0	8.0	4.7	2.009	NIST F	In Tolerance	40
100 g	1LDU	-	5.6	5.6	2.4	2.009	NIST F	In Tolerance	20
50 g	1LDU	-	3.5	3.5	1.2	2.009	NIST F	In Tolerance	10
20 g	1LDU	-	0.82	0.82	0.47	2.009	NIST F	In Tolerance	4
20 g	1LDU	*	1.01	1.01	0.47	2.009	NIST F	In Tolerance	4
10 g	1LDU	-	0.18	0.18	0.24	2.011	NIST F	In Tolerance	2

* denotes a weight that was adjusted per NISTIR 6969, SOP 8.

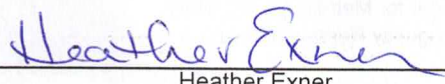
▲ denotes a weight that was rejected.

For cast-iron weights 10 kg and larger, acceptance tolerances corresponding to ASTM Class 6 (numerically equivalent to NIST Class F) have been applied. Listing ASTM Class 6 in the tolerance class column reflects the tolerance criteria used for evaluation only and does not constitute assignment, verification, or reclassification of weight class. Only compliance with tolerance specifications were evaluated for items listed on this certificate (failing values are indicated in the table, if any.) The uncertainty of the measurement was taken into account when making this statement of compliance. The weights were not evaluated for conformance with technical requirements (design, construction, material, magnetism, density, surface finish and marking.) Tolerances were taken from NIST 105-1 (1990), ASTM E617 (2023) or OIML R111 (2004).

The combined standard uncertainty consists of both Type A and Type B components, including the standard uncertainty reported for the standard, the standard uncertainty for the measurement process, and a component of uncertainty to account for any observed deviations that have a significant effect on the calibration combined, using the root sum square method. Air buoyancy was considered negligible and was not included. The uncertainty does not include contribution due to magnetism or irregular conditions on the surface of the weights. The expanded uncertainty given is in compliance with BIPM JCGM 100:2008, Guide to the Expression of Uncertainty in Measurement (GUM), 2008 and follows NISTIR 6969, SOP 29 (2019), with a variable k (coverage factor) representing a 95.45 % confidence level.


Lisa Corn
Manager for Metrology Laboratory
Agency Representative




Heather Exner
Metrologist
Approved Signatory



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COMMISSIONER SID MILLER
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06/25/2026

4 - 2500 lb Weights, 2 - 1000 lb Weights

10 - 50 lb Weights, 2 - 25 lb Weights

5 - Weight Kits

Calibration Number

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Date Due

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Submitted by

Bastrop Scale Company, Incorporated

PO Drawer 2100

Bastrop, Texas 78602

Average Temperature: 21.48 °C

Average Humidity: 46.43 %

SOP Used: NISTIR 6969, SOP No. 8, Modified Substitution

The artifacts described below have been compared to the standards of the State of Texas and were found to have the following mass corrections:

Nominal Value	Serial	ID #	As Found	As Left	Expanded	k factor	Tolerance Class	Tolerance Status	Tolerance (mg)
			Mass Correction (mg)	Mass Correction (mg)	Uncertainty (mg)				
5 g	1LDU	-	0.54	0.54	0.18	2.011	NIST F	In Tolerance	1.5
2 g	1LDU	-	0.51	0.51	0.13	2.01	NIST F	In Tolerance	1.1
2 g	1LDU	*	0.27	0.27	0.13	2.01	NIST F	In Tolerance	1.1
1 g	1LDU	-	0.39	0.39	0.11	2.009	NIST F	In Tolerance	0.9
5 lb	4VIM	A	53	53	28	2.002	NIST F	In Tolerance	230
5 lb	4VIM	B	45	45	28	2.002	NIST F	In Tolerance	230
5 lb	4VIM	C	52	52	28	2.002	NIST F	In Tolerance	230
5 lb	4VIM	D	49	49	28	2.002	NIST F	In Tolerance	230
5 lb	4VIM	E	53	53	28	2.002	NIST F	In Tolerance	230
1 lb	4VIM	A	13.8	13.8	8.3	2.004	NIST F	In Tolerance	70
1 lb	4VIM	B	13.6	13.6	8.3	2.004	NIST F	In Tolerance	70
1 lb	4VIM	C	13.9	13.9	8.3	2.004	NIST F	In Tolerance	70
1 lb	4VIM	D	15.7	15.7	8.3	2.004	NIST F	In Tolerance	70
1 lb	4VIM	E	11.3	11.3	8.3	2.004	NIST F	In Tolerance	70
8 oz	4VIM	-	10.9	10.9	5.4	2.014	NIST F	In Tolerance	45
0.2 lb	4VIM	-	4.1	4.1	2.1	2.01	NIST F	In Tolerance	18
0.2 lb	4VIM	*	1.2	1.2	2.1	2.01	NIST F	In Tolerance	18
0.1 lb	4VIM	-	0.5	0.5	1.1	2.005	NIST F	In Tolerance	9.1
0.05 lb	4VIM	-	0.79	0.79	0.54	2.015	NIST F	In Tolerance	4.5
0.02 lb	4VIM	-	0.04	0.04	0.22	2.012	NIST F	In Tolerance	1.8
0.02 lb	4VIM	*	-0.08	-0.08	0.22	2.012	NIST F	In Tolerance	1.8
0.01 lb	4VIM	-	0.38	0.38	0.18	2.015	NIST F	In Tolerance	1.5
0.005 lb	4VIM	-	0.04	0.04	0.15	2.01	NIST F	In Tolerance	1.2
0.002 lb	4VIM	-	0.39	0.39	0.10	2.015	NIST F	In Tolerance	0.87
0.002 lb	4VIM	*	-0.22	-0.22	0.10	2.015	NIST F	In Tolerance	0.87
0.001 lb	4VIM	-	0.166	0.166	0.084	2.016	NIST F	In Tolerance	0.7
5 kg	4VJK	-	193	193	60	2.005	NIST F	In Tolerance	500
2 kg	4VJK	-	52	52	24	2.008	NIST F	In Tolerance	200
2 kg	4VJK	*	58	58	24	2.008	NIST F	In Tolerance	200
1 kg	4VJK	-	18	18	12	2.007	NIST F	In Tolerance	100

* denotes a weight that was adjusted per NISTIR 6969, SOP 8.

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For cast-iron weights 10 kg and larger, acceptance tolerances corresponding to ASTM Class 6 (numerically equivalent to NIST Class F) have been applied. Listing ASTM Class 6 in the tolerance class column reflects the tolerance criteria used for evaluation only and does not constitute assignment, verification, or reclassification of weight class. Only compliance with tolerance specifications were evaluated for items listed on this certificate (failing values are indicated in the table, if any.) The uncertainty of the measurement was taken into account when making this statement of compliance. The weights were not evaluated for conformance with technical requirements (design, construction, material, magnetism, density, surface finish and marking.) Tolerances were taken from NIST 105-1 (1990), ASTM E617 (2023) or OIML R111 (2004).

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CALIBRATION CERTIFICATE

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06/25/2026

4 - 2500 lb Weights, 2 - 1000 lb Weights

10 - 50 lb Weights, 2 - 25 lb Weights

5 - Weight Kits

Calibration Number

G-000010044

Date Due

06/30/2027

Submitted by

Bastrop Scale Company, Incorporated

PO Drawer 2100

Bastrop, Texas 78602

Average Temperature: 21.48 °C

Average Humidity: 46.43 %

SOP Used: NISTIR 6969, SOP No. 8, Modified Substitution

The artifacts described below have been compared to the standards of the State of Texas and were found to have the following mass corrections:

Nominal Value	Serial	ID #	As Found Mass Correction (mg)	As Left Mass Correction (mg)	Expanded Uncertainty (mg)	k factor	Tolerance Class	Tolerance Status	Tolerance (mg)
500 g	4VJK	-	18.5	18.5	8.3	2.007	NIST F	In Tolerance	70
200 g	4VJK	-	1.8	1.8	4.7	2.009	NIST F	In Tolerance	40
200 g	4VJK	*	13.0	13.0	4.7	2.009	NIST F	In Tolerance	40
100 g	4VJK	-	2.8	2.8	2.4	2.009	NIST F	In Tolerance	20
50 g	4VJK	-	2.7	2.7	1.2	2.009	NIST F	In Tolerance	10
20 g	4VJK	-	-0.61	-0.61	0.47	2.009	NIST F	In Tolerance	4
20 g	4VJK	*	-0.34	-0.34	0.47	2.009	NIST F	In Tolerance	4
10 g	4VJK	-	0.21	0.21	0.24	2.011	NIST F	In Tolerance	2
5 g	4VJK	-	0.24	0.24	0.18	2.011	NIST F	In Tolerance	1.5
2 g	4VJK	-	0.20	0.20	0.13	2.01	NIST F	In Tolerance	1.1
2 g	4VJK	*	0.31	0.31	0.13	2.01	NIST F	In Tolerance	1.1
1 g	4VJK	-	0.39	0.39	0.11	2.009	NIST F	In Tolerance	0.9
5 lb	8PTM	A	21	21	14	2.002	ASTM 5	In Tolerance	110
5 lb	8PTM	B	25	25	14	2.002	ASTM 5	In Tolerance	110
5 lb	8PTM	C	27	27	14	2.002	ASTM 5	In Tolerance	110
5 lb	8PTM	D	32	32	14	2.002	ASTM 5	In Tolerance	110
5 lb	8PTM	E	24	24	14	2.002	ASTM 5	In Tolerance	110
1 lb	8PTM	A	11.6	11.6	4.2	2.004	ASTM 5	In Tolerance	35
1 lb	8PTM	B	10.2	10.2	4.2	2.004	ASTM 5	In Tolerance	35
1 lb	8PTM	C	8.9	8.9	4.2	2.004	ASTM 5	In Tolerance	35
1 lb	8PTM	D	12.5	12.5	4.2	2.004	ASTM 5	In Tolerance	35
1 lb	8PTM	E	9.1	9.1	4.2	2.004	ASTM 5	In Tolerance	35
8 oz	8PTM	-	5.1	5.1	2.8	2.014	ASTM 5	In Tolerance	23
0.2 lb	8PTM	-	1.7	1.7	1.1	2.01	ASTM 5	In Tolerance	9
0.2 lb	8PTM	*	4.3	4.3	1.1	2.01	ASTM 5	In Tolerance	9
0.1 lb	8PTM	-	1.94	1.94	0.54	2.005	ASTM 5	In Tolerance	4.5
0.05 lb	8PTM	-	1.52	1.52	0.28	2.015	ASTM 5	In Tolerance	2.3
0.02 lb	8PTM	-	0.05	0.05	0.11	2.012	ASTM 5	In Tolerance	0.91
0.02 lb	8PTM	*	-0.01	-0.01	0.11	2.012	ASTM 5	In Tolerance	0.91
0.01 lb	8PTM	-	0.364	0.364	0.087	2.015	ASTM 5	In Tolerance	0.73

• denotes a weight that was adjusted per NISTIR 6969, SOP 8.

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Nominal Value	Serial	ID #	As Found Mass Correction (mg)	As Left Mass Correction (mg)	Expanded Uncertainty (mg)	k factor	Tolerance Class	Tolerance Status	Tolerance (mg)
0.005 lb	8PTM	-	0.279	0.279	0.076	2.01	ASTM 5	In Tolerance	0.58
0.002 lb	8PTM	-	0.115	0.115	0.055	2.015	ASTM 5	In Tolerance	0.44
0.002 lb	8PTM	*	0.189	0.189	0.055	2.015	ASTM 5	In Tolerance	0.44
0.001 lb	8PTM	-	0.244	0.244	0.045	2.016	ASTM 5	In Tolerance	0.36
5 kg	8PTN	A	106	106	30	2.005	ASTM 5	In Tolerance	250
5 kg	8PTN	B	57	57	30	2.005	ASTM 5	In Tolerance	250
2 kg	8PTN	-	33	33	12	2.008	ASTM 5	In Tolerance	100
2 kg	8PTN	-	39	39	12	2.008	ASTM 5	In Tolerance	100
1 kg	8PTN	-	16.8	16.8	5.9	2.007	ASTM 5	In Tolerance	50
500 g	8PTN	A	4.9	4.9	4.2	2.007	ASTM 5	In Tolerance	35
500 g	8PTN	B	4.0	4.0	4.2	2.007	ASTM 5	In Tolerance	35
500 g	8PTN	C	9.9	9.9	4.2	2.007	ASTM 5	In Tolerance	35
500 g	8PTN	D	10.7	10.7	4.2	2.007	ASTM 5	In Tolerance	35
500 g	8PTN	E	10.6	10.6	4.2	2.007	ASTM 5	In Tolerance	35
200 g	8PTN	-	2.5	2.5	2.4	2.009	ASTM 5	In Tolerance	20
200 g	8PTN	*	2.1	2.1	2.4	2.009	ASTM 5	In Tolerance	20
100 g	8PTN	-	4.1	4.1	1.2	2.009	ASTM 5	In Tolerance	10
50 g	8PTN	-	1.99	1.99	0.60	2.009	ASTM 5	In Tolerance	5
20 g	8PTN	-	0.83	0.83	0.24	2.009	ASTM 5	In Tolerance	2
20 g	8PTN	*	1.00	1.00	0.24	2.009	ASTM 5	In Tolerance	2
10 g	8PTN	-	-0.24	-0.24	0.12	2.011	ASTM 5	In Tolerance	1
5 g	8PTN	-	-0.077	-0.077	0.090	2.011	ASTM 5	In Tolerance	0.75
2 g	8PTN	-	0.242	0.242	0.070	2.01	ASTM 5	In Tolerance	0.56
2 g	8PTN	*	0.282	0.282	0.070	2.01	ASTM 5	In Tolerance	0.56
1 g	8PTN	-	-0.043	-0.043	0.054	2.009	ASTM 5	In Tolerance	0.45

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