



TEXAS DEPARTMENT OF AGRICULTURE

COMMISSIONER SID MILLER

Metrology Laboratory - 1258 CR 226 / P.O. Box 1518 - Giddings, Texas 78942
Phone: (979) 542-3231 - Fax: (888) 205-7741

Calibration Number

G-000009807

CALIBRATION CERTIFICATE

For

5 - 1000 lb Weights
33 - 50 lb, 6 - 25 lb Weights
Weight Kits

Submitted By

Bastrop Scale Company Incorporated
PO Drawer 2100
Bastrop, Texas 78602

The measurement results of the Texas Department of Agriculture, Giddings Metrology Laboratory are traceable to the International System of Units (SI) 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: 01/15/2026

Calibration Due: 01/31/2027

Issue Date: 01/16/2026

Average Temperature: 21.45 °C

Average Humidity: 44.73 %

Procedure: NISTIR 6969, SOP No. 8, Modified Substitution (Rev. 2019)

Mass Standards: Giddings Metrology Laboratory Mass Echelon III Standards

Received Date: 01/14/2026

Condition Received: Acceptable

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



Keri Schatte
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

5 - 1000 lb Weights

Calibration Number

01/15/2026

33 - 50 lb, 6 - 25 lb Weights

G-000009807

Weight Kits

Date Due

Submitted by

01/31/2027

Bastrop Scale Company Incorporated

PO Drawer 2100

Bastrop, Texas 78602

Average Temperature: 21.45 °C

Observations:

Average Humidity: 44.73 %

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)
1000 lb	1RJ4	-	-18700	-18700	6200	2.009	NIST F	In Tolerance	45000
1000 lb	1RJ3	-	-22200	-22200	6200	2.009	NIST F	In Tolerance	45000
1000 lb	1JR5	-	-14500	-14500	6200	2.009	NIST F	In Tolerance	45000
1000 lb	1RJ1	-	-9000	-9000	6200	2.009	NIST F	In Tolerance	45000
1000 lb	1RJ2	-	-54200	2200	6200	2.009	NIST F	In Tolerance	45000
50 lb	BS633	-	-4990	-10	300	2.002	NIST F	In Tolerance	2300
50 lb	BS143	-	-4460	0	300	2.002	NIST F	In Tolerance	2300
50 lb	BS634	-	400	400	300	2.002	NIST F	In Tolerance	2300
50 lb	BS18	-	-1360	-1360	300	2.002	NIST F	In Tolerance	2300
50 lb	BS135	-	-4630	0	300	2.002	NIST F	In Tolerance	2300
50 lb	BS642	-	1070	1070	300	2.002	NIST F	In Tolerance	2300
50 lb	BS139	-	-5220	-10	300	2.002	NIST F	In Tolerance	2300
50 lb	BS11	-	-2540	0	300	2.002	NIST F	In Tolerance	2300
50 lb	BS6202	-	-1280	-1280	300	2.002	NIST F	In Tolerance	2300
50 lb	BS628	-	-770	-770	300	2.002	NIST F	In Tolerance	2300
50 lb	BS6207	-	330	330	300	2.002	NIST F	In Tolerance	2300
50 lb	BS132	-	-4430	-20	300	2.002	NIST F	In Tolerance	2300
50 lb	BS640	-	-2030	0	300	2.002	NIST F	In Tolerance	2300
50 lb	BS6210	-	-2590	-20	300	2.002	NIST F	In Tolerance	2300
50 lb	BS636	-	-2510	0	300	2.002	NIST F	In Tolerance	2300
50 lb	BS41	-	-2240	60	300	2.002	NIST F	In Tolerance	2300
50 lb	BS646	-	-3680	-10	300	2.002	NIST F	In Tolerance	2300
50 lb	BS129	-	-5460	-10	300	2.002	NIST F	In Tolerance	2300
50 lb	BS136	-	-5050	10	300	2.002	NIST F	In Tolerance	2300
50 lb	BS639	-	2580	20	300	2.002	NIST F	In Tolerance	2300
50 lb	BS637	-	-820	-820	300	2.002	NIST F	In Tolerance	2300
50 lb	BS25	-	-2880	0	300	2.002	NIST F	In Tolerance	2300
50 lb	BS127	-	-5380	20	300	2.002	NIST F	In Tolerance	2300
50 lb	8HUP	-	-3140	-20	300	2.002	ASTM 6	In Tolerance	2300
50 lb	8HUS	-	110	110	300	2.002	ASTM 6	In Tolerance	2300

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

▲ denotes a weight that was rejected.

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



Keri Schatte

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

01/15/2026

5 - 1000 lb Weights

33 - 50 lb, 6 - 25 lb Weights

Weight Kits

Calibration Number

G-000009807

Date Due

01/31/2027

Submitted by

Bastrop Scale Company Incorporated

PO Drawer 2100

Bastrop, Texas 78602

Average Temperature: 21.45 °C

Average Humidity: 44.73 %

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)
50 lb	8HUN	-	-2430	10	300	2.002	ASTM 6	In Tolerance	2300
50 lb	8HUR	-	-2790	0	300	2.002	ASTM 6	In Tolerance	2300
50 lb	8HUT	-	-2620	0	300	2.002	ASTM 6	In Tolerance	2300
50 lb	8HUV	-	-3150	20	300	2.002	ASTM 6	In Tolerance	2300
50 lb	8HUQ	-	-1350	-1350	300	2.002	ASTM 6	In Tolerance	2300
50 lb	8HUM	-	-3260	20	300	2.002	ASTM 6	In Tolerance	2300
50 lb	8HUU	-	-5600	0	300	2.002	ASTM 6	In Tolerance	2300
50 lb	8HUL	-	-3920	-20	300	2.002	ASTM 6	In Tolerance	2300
25 lb	BS6270	-	-780	-780	140	2.006	ASTM 6	In Tolerance	1100
25 lb	BS6271	-	-1070	10	140	2.006	ASTM 6	In Tolerance	1100
25 lb	BS6268	-	-1800	10	140	2.006	ASTM 6	In Tolerance	1100
25 lb	BS6266	-	-800	-800	140	2.006	ASTM 6	In Tolerance	1100
25 lb	BS6269	-	-870	-10	140	2.006	ASTM 6	In Tolerance	1100
25 lb	BS6267	-	-1060	-10	140	2.006	ASTM 6	In Tolerance	1100
5 lb	4N8K	A	69	69	28	2.002	NIST F	In Tolerance	230
5 lb	4N8K	B	65	65	28	2.002	NIST F	In Tolerance	230
5 lb	4N8K	C	68	68	28	2.002	NIST F	In Tolerance	230
5 lb	4N8K	D	71	71	28	2.002	NIST F	In Tolerance	230
5 lb	4N8K	E	72	72	28	2.002	NIST F	In Tolerance	230
1 lb	4N8K	A	8.7	8.7	8.3	2.004	NIST F	In Tolerance	70
1 lb	4N8K	B	13.5	13.5	8.3	2.004	NIST F	In Tolerance	70
1 lb	4N8K	C	4.2	4.2	8.3	2.004	NIST F	In Tolerance	70
1 lb	4N8K	D	13.6	13.6	8.3	2.004	NIST F	In Tolerance	70
1 lb	4N8K	E	14.8	14.8	8.3	2.004	NIST F	In Tolerance	70
8 oz	4N8K	-	14.5	14.5	5.4	2.014	NIST F	In Tolerance	45
0.2 lb	4N8K	-	6.9	6.9	2.1	2.01	NIST F	In Tolerance	18
0.2 lb	4N8K	-	5.2	5.2	2.1	2.01	NIST F	In Tolerance	18
0.1 lb	4N8K	-	3.7	3.7	1.1	2.005	NIST F	In Tolerance	9.1
0.05 lb	4N8K	-	1.33	1.33	0.54	2.015	NIST F	In Tolerance	4.5
0.02 lb	4N8K	-	-0.02	-0.02	0.22	2.012	NIST F	In Tolerance	1.8

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

▲ denotes a weight that was rejected.

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



Keri Schatte
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
01/15/2026

5 - 1000 lb Weights
33 - 50 lb, 6 - 25 lb Weights
Weight Kits

Calibration Number
G-000009807

Date Due
01/31/2027

Submitted by
Bastrop Scale Company Incorporated
PO Drawer 2100
Bastrop, Texas 78602

Average Temperature: 21.45 °C
Average Humidity: 44.73 %
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)
0.02 lb	4N8K	*	-0.22	-0.22	0.22	2.012	NIST F	In Tolerance	1.8
0.01 lb	4N8K	-	0.53	0.53	0.18	2.015	NIST F	In Tolerance	1.5
0.005 lb	4N8K	-	-0.01	-0.01	0.15	2.01	NIST F	In Tolerance	1.2
0.002 lb	4N8K	-	0.19	0.19	0.10	2.015	NIST F	In Tolerance	0.87
0.002 lb	4N8K	*	0.24	0.24	0.10	2.015	NIST F	In Tolerance	0.87
0.001 lb	4N8K	-	0.203	0.203	0.084	2.016	NIST F	In Tolerance	0.7
5 kg	4N8L	A	89	89	60	2.005	NIST F	In Tolerance	500
5 kg	4N8L	B	64	64	60	2.005	NIST F	In Tolerance	500
2 kg	4N8L	A	43	43	24	2.008	NIST F	In Tolerance	200
2 kg	4N8L	B	72	72	24	2.008	NIST F	In Tolerance	200
1 kg	4N8L	-	26	26	12	2.007	NIST F	In Tolerance	100
500 g	4N8L	A	22.5	22.5	8.3	2.007	NIST F	In Tolerance	70
500 g	4N8L	B	24.1	24.1	8.3	2.007	NIST F	In Tolerance	70
500 g	4N8L	C	25.5	25.5	8.3	2.007	NIST F	In Tolerance	70
500 g	4N8L	D	22.2	22.2	8.3	2.007	NIST F	In Tolerance	70
500 g	4N8L	E	17.7	17.7	8.3	2.007	NIST F	In Tolerance	70
200 g	4N8L	-	16.1	16.1	4.7	2.009	NIST F	In Tolerance	40
200 g	4N8L	*	9.0	9.0	4.7	2.009	NIST F	In Tolerance	40
100 g	4N8L	-	1.2	1.2	2.4	2.009	NIST F	In Tolerance	20
50 g	4N8L	-	2.6	2.6	1.2	2.009	NIST F	In Tolerance	10
20 g	4N8L	-	0.47	0.47	0.47	2.009	NIST F	In Tolerance	4
20 g	4N8L	*	0.39	0.39	0.47	2.009	NIST F	In Tolerance	4
10 g	4N8L	-	0.52	0.52	0.24	2.011	NIST F	In Tolerance	2
5 g	4N8L	-	0.06	0.06	0.18	2.011	NIST F	In Tolerance	1.5
2 g	4N8L	-	0.26	0.26	0.13	2.01	NIST F	In Tolerance	1.1
2 g	4N8L	*	0.35	0.35	0.13	2.01	NIST F	In Tolerance	1.1
1 g	4N8L	-	0.09	0.09	0.11	2.009	NIST F	In Tolerance	0.9
10 lb	BS6179	A	67	67	54	2.014	NIST F	In Tolerance	450
10 lb	BS6179	B	28	28	54	2.014	NIST F	In Tolerance	450
5 lb	BS6179	-	36	36	28	2.002	NIST F	In Tolerance	230

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

▲ denotes a weight that was rejected.

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



Keri Schatte
Metrologist
Approved Signatory



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

CALIBRATION CERTIFICATE

For

Calibration Date

01/15/2026

5 - 1000 lb Weights
33 - 50 lb, 6 - 25 lb Weights
Weight Kits

Calibration Number

G-000009807

Date Due

01/31/2027

Submitted by

Bastrop Scale Company Incorporated
PO Drawer 2100
Bastrop, Texas 78602

Average Temperature: 21.45 °C

Average Humidity: 44.73 %

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)				
2 lb	BS6179	A	0	0	11	2.01	NIST F	In Tolerance	91
2 lb	BS6179	B	9	9	11	2.01	NIST F	In Tolerance	91
1 lb	BS6179	-	9.0	9.0	8.3	2.004	NIST F	In Tolerance	70
8 oz	BS6179	-	12.5	12.5	5.4	2.014	NIST F	In Tolerance	45
0.2 lb	BS6179	-	7.1	7.1	2.1	2.01	NIST F	In Tolerance	18
0.2 lb	BS6179	*	8.1	8.1	2.1	2.01	NIST F	In Tolerance	18
0.1 lb	BS6179	-	1.7	1.7	1.1	2.005	NIST F	In Tolerance	9.1
0.05 lb	BS6179	-	1.95	1.95	0.54	2.015	NIST F	In Tolerance	4.5
0.02 lb	BS6179	-	0.33	0.33	0.22	2.012	NIST F	In Tolerance	1.8
0.02 lb	BS6179	*	0.19	0.19	0.22	2.012	NIST F	In Tolerance	1.8
0.01 lb	BS6179	-	0.40	0.40	0.18	2.015	NIST F	In Tolerance	1.5
0.005 lb	BS6179	-	0.46	0.46	0.15	2.01	NIST F	In Tolerance	1.2
0.002 lb	BS6179	-	0.23	0.23	0.10	2.015	NIST F	In Tolerance	0.87
0.002 lb	BS6179	*	0.19	0.19	0.10	2.015	NIST F	In Tolerance	0.87
0.001 lb	BS6179	-	0.410	0.410	0.084	2.016	NIST F	In Tolerance	0.7

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

▲ denotes a weight that was rejected.

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



NVLAP Lab Code 600376-0



Keri Schatte
Metrologist
Approved Signatory