



Calibration Number
G-000009521

CALIBRATION CERTIFICATE

For

4 - 2500 lb, 2 - 1000 lb Weights
10 - 50 lb, 2 - 25 lb Weights
5 - 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: 06/13/2025	Received Date: 06/12/2025
Calibration Due: 06/30/2026	Condition Received: Acceptable
Issue Date: 06/16/2025	
Average Temperature: 21.23 °C	
Average Humidity: 48.16 %	
Procedure: NISTIR 6969, SOP No. 8, Modified Substitution (Rev. 2019)	
Mass Standards: Giddings Metrology Laboratory Mass Echelon III Standards	

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.

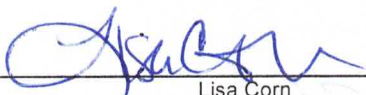
Note:

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




Kirt Weyand

Metrologist
Approved Signatory



TEXAS DEPARTMENT OF AGRICULTURE

Page 2 of 5

COMMISSIONER SID MILLER

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

CALIBRATION CERTIFICATE

For

Calibration Date

06/13/2025

4 - 2500 lb, 2 - 1000 lb Weights

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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: 21.23 °C

Average Humidity: 48.16 %

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

Observations:

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	BS624	-	-44000	-44000	24000	2.158	NIST F	In Tolerance	110000
2500 lb	BS625	-	92000	-1000	24000	2.158	NIST F	In Tolerance	110000
2500 lb	BS627	-	-37000	-37000	24000	2.158	NIST F	In Tolerance	110000
2500 lb	BS626	-	-38000	-38000	24000	2.158	NIST F	In Tolerance	110000
1000 lb	BS620	-	-20200	-20200	6400	2.012	NIST F	In Tolerance	45000
1000 lb	BS623	-	-9700	-9700	6400	2.012	NIST F	In Tolerance	45000
50 lb	BS	52	-2380	70	320	2.003	NIST F	In Tolerance	2300
50 lb	BS	609	-4100	40	320	2.003	NIST F	In Tolerance	2300
50 lb	BS	6217	-1350	-1350	320	2.003	NIST F	In Tolerance	2300
50 lb	BS	612B	-3180	80	320	2.003	NIST F	In Tolerance	2300
50 lb	BS	6206	-2190	20	320	2.003	NIST F	In Tolerance	2300
50 lb	BS	608	-5210	0	320	2.003	NIST F	In Tolerance	2300
50 lb	BS	45	-2580	-30	320	2.003	NIST F	In Tolerance	2300
50 lb	BS	611	-3000	0	320	2.003	NIST F	In Tolerance	2300
50 lb	BS	616	-4630	50	320	2.003	NIST F	In Tolerance	2300
50 lb	BS	59	-2090	50	320	2.003	NIST F	In Tolerance	2300
25 lb	BS	6273	-1060	50	140	2.007	NIST F	In Tolerance	1100
25 lb	BS	6272	-600	-600	140	2.007	NIST F	In Tolerance	1100
5 kg	1LDU	-	166	166	60	2.005	NIST F	In Tolerance	500
2 kg	1LDU	-	72	72	24	2.008	NIST F	In Tolerance	200
2 kg	1LDU	*	79	79	24	2.008	NIST F	In Tolerance	200
1 kg	1LDU	-	33	33	12	2.008	NIST F	In Tolerance	100
500 g	1LDU	-	17.8	17.8	8.3	2.008	NIST F	In Tolerance	70
200 g	1LDU	-	13.0	13.0	4.7	2.011	NIST F	In Tolerance	40
200 g	1LDU	*	8.0	8.0	4.7	2.011	NIST F	In Tolerance	40
100 g	1LDU	-	6.2	6.2	2.4	2.012	NIST F	In Tolerance	20
50 g	1LDU	-	3.7	3.7	1.2	2.01	NIST F	In Tolerance	10
20 g	1LDU	-	0.85	0.85	0.47	2.011	NIST F	In Tolerance	4
20 g	1LDU	*	1.08	1.08	0.47	2.011	NIST F	In Tolerance	4
10 g	1LDU	-	0.25	0.25	0.24	2.014	NIST F	In Tolerance	2

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Lisa Corn

Manager for Metrology Laboratory
Agency Representative




Kirt Weyand

Metrologist
Approved Signatory



CALIBRATION CERTIFICATE

For

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

Calibration Number
G-000009521

Calibration Date
06/13/2025

Date Due
06/30/2026

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

Average Temperature: 21.23 °C
Average Humidity: 48.16 %
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:

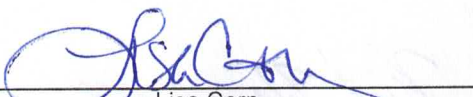
Nominal Value	Serial	ID #	As Found Mass Correction (mg)	As Left Mass Correction (mg)	Expanded Uncertainty (mg)	k factor	Tolerance Class	Tolerance Status	Tolerance (mg)
5 g	1LDU	-	0.51	0.51	0.18	2.013	NIST F	In Tolerance	1.5
2 g	1LDU	-	0.51	0.51	0.13	2.012	NIST F	In Tolerance	1.1
2 g	1LDU	*	0.27	0.27	0.13	2.012	NIST F	In Tolerance	1.1
1 g	1LDU	-	0.38	0.38	0.11	2.011	NIST F	In Tolerance	0.9
5 lb	4VIW	A	54	54	28	2.002	NIST F	In Tolerance	230
5 lb	4VIW	B	45	45	28	2.002	NIST F	In Tolerance	230
5 lb	4VIW	C	53	53	28	2.002	NIST F	In Tolerance	230
5 lb	4VIW	D	49	49	28	2.002	NIST F	In Tolerance	230
5 lb	4VIW	E	53	53	28	2.002	NIST F	In Tolerance	230
1 lb	4VIW	A	13.8	13.8	8.3	2.004	NIST F	In Tolerance	70
1 lb	4VIW	B	12.9	12.9	8.3	2.004	NIST F	In Tolerance	70
1 lb	4VIW	C	13.9	13.9	8.3	2.004	NIST F	In Tolerance	70
1 lb	4VIW	D	15.3	15.3	8.3	2.004	NIST F	In Tolerance	70
1 lb	4VIW	E	11.6	11.6	8.3	2.004	NIST F	In Tolerance	70
8 oz	4VIW	-	11.1	11.1	5.4	2.014	NIST F	In Tolerance	45
0.2 lb	4VIW	-	4.2	4.2	2.1	2.013	NIST F	In Tolerance	18
0.2 lb	4VIW	*	1.6	1.6	2.1	2.013	NIST F	In Tolerance	18
0.1 lb	4VIW	-	0.8	0.8	1.1	2.005	NIST F	In Tolerance	9.1
0.05 lb	4VIW	-	0.88	0.88	0.54	2.023	NIST F	In Tolerance	4.5
0.02 lb	4VIW	-	0.06	0.06	0.22	2.017	NIST F	In Tolerance	1.8
0.02 lb	4VIW	-	0.00	0.00	0.22	2.017	NIST F	In Tolerance	1.8
0.01 lb	4VIW	-	0.28	0.28	0.18	2.022	NIST F	In Tolerance	1.5
0.005 lb	4VIW	-	-0.03	-0.03	0.15	2.013	NIST F	In Tolerance	1.2
0.002 lb	4VIW	-	0.05	0.05	0.11	2.023	NIST F	In Tolerance	0.87
0.002 lb	4VIW	*	-0.22	-0.22	0.11	2.023	NIST F	In Tolerance	0.87
0.001 lb	4VIW	-	0.128	0.128	0.084	2.024	NIST F	In Tolerance	0.7
5 kg	4VJK	-	194	194	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	2.008	NIST F	In Tolerance	100

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

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Lisa Corn
Manager for Metrology Laboratory
Agency Representative




Kirt Weyand
Metrologist
Approved Signatory



TEXAS DEPARTMENT OF AGRICULTURE

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COMMISSIONER SID MILLER

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

CALIBRATION CERTIFICATE

For

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

Calibration Number

G-000009521

Calibration Date

06/13/2025

Date Due

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Submitted by

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PO Drawer 2100
Bastrop, Texas 78602

Average Temperature: 21.23 °C

Average Humidity: 48.16 %

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	-	19.2	19.2	8.3	2.008	NIST F	In Tolerance	70
200 g	4VJK	-	2.5	2.5	4.7	2.011	NIST F	In Tolerance	40
200 g	4VJK	*	13.3	13.3	4.7	2.011	NIST F	In Tolerance	40
100 g	4VJK	-	2.8	2.8	2.4	2.012	NIST F	In Tolerance	20
50 g	4VJK	-	2.7	2.7	1.2	2.01	NIST F	In Tolerance	10
20 g	4VJK	-	-0.57	-0.57	0.47	2.011	NIST F	In Tolerance	4
20 g	4VJK	*	-0.29	-0.29	0.47	2.011	NIST F	In Tolerance	4
10 g	4VJK	-	0.17	0.17	0.24	2.014	NIST F	In Tolerance	2
5 g	4VJK	-	0.22	0.22	0.18	2.013	NIST F	In Tolerance	1.5
2 g	4VJK	-	0.21	0.21	0.13	2.012	NIST F	In Tolerance	1.1
2 g	4VJK	*	0.32	0.32	0.13	2.012	NIST F	In Tolerance	1.1
1 g	4VJK	-	0.40	0.40	0.11	2.011	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	33	33	14	2.002	ASTM 5	In Tolerance	110
5 lb	8PTM	E	22	22	14	2.002	ASTM 5	In Tolerance	110
1 lb	8PTM	A	11.4	11.4	4.2	2.004	ASTM 5	In Tolerance	35
1 lb	8PTM	B	9.6	9.6	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	11.9	11.9	4.2	2.004	ASTM 5	In Tolerance	35
1 lb	8PTM	E	8.8	8.8	4.2	2.004	ASTM 5	In Tolerance	35
8 oz	8PTM	-	4.9	4.9	2.8	2.014	ASTM 5	In Tolerance	23
0.02 lb	8PTM	-	0.03	0.03	0.11	2.017	ASTM 5	In Tolerance	0.91
0.02 lb	8PTM	*	-0.03	-0.03	0.11	2.017	ASTM 5	In Tolerance	0.91
0.01 lb	8PTM	-	0.369	0.369	0.088	2.022	ASTM 5	In Tolerance	0.73
0.005 lb	8PTM	-	0.264	0.264	0.077	2.013	ASTM 5	In Tolerance	0.58
0.002 lb	8PTM	-	0.117	0.117	0.056	2.023	ASTM 5	In Tolerance	0.44
0.002 lb	8PTM	*	0.191	0.191	0.056	2.023	ASTM 5	In Tolerance	0.44
0.001 lb	8PTM	-	0.240	0.240	0.045	2.024	ASTM 5	In Tolerance	0.36

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Lisa Corn
Manager for Metrology Laboratory
Agency Representative


CALIBRATION
NVLAP Lab Code 600376-0


Kirt Weyand
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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)
0.2 lb	8PTM	-	1.7	1.7	1.1	2.013	ASTM 5	In Tolerance	9
0.2 lb	8PTM	*	4.2	4.2	1.1	2.013	ASTM 5	In Tolerance	9
0.1 lb	8PTM	-	1.90	1.90	0.54	2.005	ASTM 5	In Tolerance	4.5
0.05 lb	8PTM	-	1.50	1.50	0.28	2.023	ASTM 5	In Tolerance	2.3
5 kg	8PTN	A	106	106	31	2.005	ASTM 5	In Tolerance	250
5 kg	8PTN	B	57	57	31	2.005	ASTM 5	In Tolerance	250
2 kg	8PTN	A	33	33	12	2.008	ASTM 5	In Tolerance	100
2 kg	8PTN	B	40	40	12	2.008	ASTM 5	In Tolerance	100
1 kg	8PTN	-	17.1	17.1	6.0	2.008	ASTM 5	In Tolerance	50
500 g	8PTN	A	5.3	5.3	4.2	2.008	ASTM 5	In Tolerance	35
500 g	8PTN	B	5.4	5.4	4.2	2.008	ASTM 5	In Tolerance	35
500 g	8PTN	C	10.6	10.6	4.2	2.008	ASTM 5	In Tolerance	35
500 g	8PTN	D	11.1	11.1	4.2	2.008	ASTM 5	In Tolerance	35
500 g	8PTN	E	10.7	10.7	4.2	2.008	ASTM 5	In Tolerance	35
200 g	8PTN	-	2.8	2.8	2.4	2.011	ASTM 5	In Tolerance	20
200 g	8PTN	*	2.2	2.2	2.4	2.011	ASTM 5	In Tolerance	20
100 g	8PTN	-	4.1	4.1	1.2	2.012	ASTM 5	In Tolerance	10
50 g	8PTN	-	2.09	2.09	0.60	2.01	ASTM 5	In Tolerance	5
20 g	8PTN	-	0.84	0.84	0.24	2.011	ASTM 5	In Tolerance	2
20 g	8PTN	*	1.02	1.02	0.24	2.011	ASTM 5	In Tolerance	2
10 g	8PTN	-	-0.30	-0.30	0.12	2.014	ASTM 5	In Tolerance	1
5 g	8PTN	-	-0.036	-0.036	0.091	2.013	ASTM 5	In Tolerance	0.75
2 g	8PTN	-	0.249	0.249	0.071	2.012	ASTM 5	In Tolerance	0.56
2 g	8PTN	*	0.307	0.307	0.071	2.012	ASTM 5	In Tolerance	0.56
1 g	8PTN	-	-0.038	-0.038	0.055	2.011	ASTM 5	In Tolerance	0.45

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