



CALIBRATION CERTIFICATE

Calibration Number
G-000009507

For
16 - 1000 lb Weights
13 - 50 lb Weights
2 - 25 lb Weights

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: 05/30/2025	Received Date: 05/29/2025
Calibration Due: 05/31/2026	Condition Received: Acceptable
Issue Date: 05/30/2025	
Average Temperature: 20.52 °C	
Average Humidity: 53.27 %	
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



Heather Exner
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

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16 - 1000 lb Weights

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Bastrop, Texas 78602

Average Temperature: 20.52 °C

Average Humidity: 53.27 %

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:

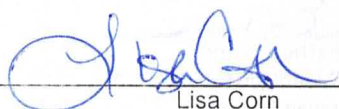
Nominal Value	Serial	ID #	As Found	As Left	Expanded	k factor	Tolerance Class	Tolerance Status	Tolerance (mg)
			Mass Correction (mg)	Mass Correction (mg)	Uncertainty (mg)				
1000 lb	3610	-	-15600	-15600	6400	2.012	NIST F	In Tolerance	45000
1000 lb	3611	-	38300	-400 *	6400	2.012	NIST F	In Tolerance	45000
1000 lb	3612	-	-25700	-25700	6400	2.012	NIST F	In Tolerance	45000
1000 lb	3613	-	-5700	-5700	6400	2.012	NIST F	In Tolerance	45000
1000 lb	3614	-	-41900	100 *	6400	2.012	NIST F	In Tolerance	45000
1000 lb	3615	-	4800	4800	6400	2.012	NIST F	In Tolerance	45000
1000 lb	3616	-	-24500	-24500	6400	2.012	NIST F	In Tolerance	45000
1000 lb	3617	-	-12100	-12100	6400	2.012	NIST F	In Tolerance	45000
1000 lb	3618	-	12000	12000	6400	2.012	NIST F	In Tolerance	45000
1000 lb	3619	-	5600	5600	6400	2.012	NIST F	In Tolerance	45000
1000 lb	361A	-	5700	5700	6400	2.012	NIST F	In Tolerance	45000
1000 lb	361B	-	-26400	-26400	6400	2.012	NIST F	In Tolerance	45000
1000 lb	361C	-	-1600	-1600	6400	2.012	NIST F	In Tolerance	45000
1000 lb	36HK	-	-12900	-12900	6400	2.012	NIST F	In Tolerance	45000
1000 lb	36HY	-	-21300	-21300	6400	2.012	NIST F	In Tolerance	45000
1000 lb	36HZ	-	-28300	-28300	6400	2.012	NIST F	In Tolerance	45000
50 lb	5PPA	-	1170	1170	320	2.003	NIST F	In Tolerance	2300
50 lb	5PPB	-	-2350	-10 *	320	2.003	NIST F	In Tolerance	2300
50 lb	5PPC	-	-2710	10 *	320	2.003	NIST F	In Tolerance	2300
50 lb	5PPD	-	-3460	20 *	320	2.003	NIST F	In Tolerance	2300
50 lb	BS124	-	-3610	20 *	320	2.003	NIST F	In Tolerance	2300
50 lb	BS24	-	-4190	0 *	320	2.003	NIST F	In Tolerance	2300
50 lb	BS56A	-	-4740	20 *	320	2.003	NIST F	In Tolerance	2300
50 lb	BS57	-	-3890	10 *	320	2.003	NIST F	In Tolerance	2300
50 lb	BS6199	-	-2740	20 *	320	2.003	NIST F	In Tolerance	2300
50 lb	BS61A	-	-3230	0 *	320	2.003	NIST F	In Tolerance	2300
50 lb	BS6209	-	-3700	-20 *	320	2.003	NIST F	In Tolerance	2300
50 lb	BS644	-	-1730	10 *	320	2.003	NIST F	In Tolerance	2300
50 lb	BS78	-	-2030	-10 *	320	2.003	NIST F	In Tolerance	2300
25 lb	BS65	-	40	40	140	2.007	NIST F	In Tolerance	1100

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

▲ denotes a weight that was rejected.

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NVLAP Lab Code 600376-0


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