



# 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-000009840

## CALIBRATION CERTIFICATE

For

1 - 5000 lb Weight cart

### 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: 02/12/2026

Calibration Due: 02/28/2027

Issue Date: 02/12/2026

Average Temperature: 21.27 °C

Average Humidity: 46.34 %

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

Mass Standards: Giddings Metrology Laboratory Mass Echelon III Standards

Received Date: 02/11/2026

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



Kirt Weyand  
Metrologist

Approved Signatory





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Bastrop, Texas 78602

## Inspection Checklist for Weight Cart

Date of Inspection: 2/12/2026

Model Number: BS4WTC-5000-M

Date of Manufacture: 8/11

Serial Number: 16176B

Nominal of Weight Cart: 5000 lb

Suitable Marked: Yes

Powered by: Gas

Fluid Level:  Engine Oil

Hydraulic Oil      Sealed: Yes

Battery              Sealed: No

Liquid Fuel        Reference Level: Yes

Are all surfaces free from lubricants, scale, grit, dirty or any foreign matter? Yes

Do fluid drain tubes extend beyond the body of the cart? Yes

Are the tires in acceptable condition (free from major deformation?) Yes

Are drain holes present in locations where water may accumulate? Yes

Is the weight restraint railing permanently fixed and solid? Yes

Is the adjusting cavity accessible? Yes

Does the adjustment cavity have the capacity to adjust for tolerance? Yes

Was the adjustment cavity sealed? No

Were the fuel error weights submitted for calibration? No

General Condition at the time of calibration (note any debris, damage, lose parts or evidence of tampering)

Lisa Corn  
Manager for Metrology Laboratory



Kirt Weyand  
Metrologist