

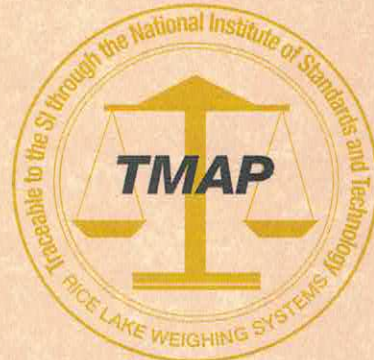
**Traceable Certificate Number:** 2662026  
**Contractor:** BASTROP SCALE COMPANY  
 192 HARMON RD  
 PO DRAWER 2100  
 BASTROP, TX 78602

**Purchase Order Number:** 17016KB01  
**Client:** BASTROP SCALE COMPANY  
 192 HARMON RD  
 PO DRAWER 2100  
 BASTROP, TX 78602

**Date Received:** 25 Oct 2017  
**Date Calibrated:** 27 Oct 2017  
**Recall Date:** 27 Oct 2018  
**Temperature Range:** 21.73 °C to 21.85 °C  
**Pressure Range:** 722.06 mmHg to 722.80 mmHg  
**Relative Humidity Range:** 49.48 % to 51.48 %  
**Air Density Range:** 1.1317 mg/cm<sup>3</sup> to 1.1326 mg/cm<sup>3</sup>  
**NIST Certificate Number:** 684/286541-15 & 684/284451-14

Although there are two NIST numbers, one or both may apply

**Calibrated By:** 20  
**Procedure:** Inter-comparison Method (WI05-0095)  
**Condition of Weights:** Acceptable for Calibration  
**Description of Weights:** 200 g to 5 kg Satin Finish Weights, ASTM Class 1



\* Although this test weight has been tested for the tolerance of the class for which it was submitted, it does not meet the finish requirements for that class

| Nominal Value | ID or S/N | As Found   |                      |          | As Left    |                      |          | Unc. (mg) | k | MPE* (mg) | Balance Used | Standard Set Used | Assumed Density (g/cm <sup>3</sup> ) |
|---------------|-----------|------------|----------------------|----------|------------|----------------------|----------|-----------|---|-----------|--------------|-------------------|--------------------------------------|
|               |           | Conv. Mass | Conv. Mass Corr (mg) | MPE Pass | Conv. Mass | Conv. Mass Corr (mg) | MPE Pass |           |   |           |              |                   |                                      |
| 200 g         | M841 *    | 200.000354 | 0.354                | Y        | 200.000354 | 0.354                | Y        | 0.060     | 2 | 0.50      | 619Q         | T535Q             | 7.84                                 |
| 300 g         | M840 *    | 300.000142 | 0.142                | Y        | 300.000142 | 0.142                | Y        | 0.061     | 2 | 0.75      | 619Q         | T535Q             | 7.84                                 |
| 400 g         | M839 *    | 399.999709 | -0.291               | Y        | 399.999709 | -0.291               | Y        | 0.078     | 2 | 0.98      | 619Q         | T535Q             | 7.84                                 |
| 500 g         | M838 *    | 500.000126 | 0.126                | Y        | 500.000126 | 0.126                | Y        | 0.080     | 2 | 1.2       | 619Q         | T535Q             | 7.84                                 |
| 1 kg          | M837 *    | 1.00000018 | 0.18                 | Y        | 1.00000018 | 0.18                 | Y        | 0.14      | 2 | 2.5       | 619Q         | T535Q             | 7.84                                 |
| 2 kg          | M836 *    | 1.99999585 | -4.15                | Y        | 1.99999585 | -4.15                | Y        | 0.53      | 2 | 5.0       | 1632Q        | T535Q             | 7.84                                 |
| 3 kg          | M835 *    | 2.99999468 | -5.32                | Y        | 2.99999468 | -5.32                | Y        | 0.62      | 2 | 7.5       | 1632Q        | T535Q             | 7.84                                 |
| 4 kg          | M834 *    | 3.99999989 | -0.11                | Y        | 3.99999989 | -0.11                | Y        | 0.72      | 2 | 9.8       | 1632Q        | T535Q             | 7.84                                 |
| 5 kg          | M833 *    | 4.99998959 | -10.41               | Y        | 4.99998959 | -10.41               | Y        | 0.90      | 2 | 12        | 1632Q        | T535Q             | 7.84                                 |

Check with your local state agency for certification of compliance on Legal for Trade Items. \*The weight accuracy class is referenced in the Description of Weights. Unless otherwise noted, the weights calibrated meet the requirements of the accuracy class.

Prepared By: The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook 105-1 (1990), ASTM E617-13 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

**Rice Lake Weighing Systems**

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Definitions: <http://certs.ricelake.com/certs/DefinitionsV2.docx>

Dated 30 Oct 2017

Dan Demers, Metrologist