

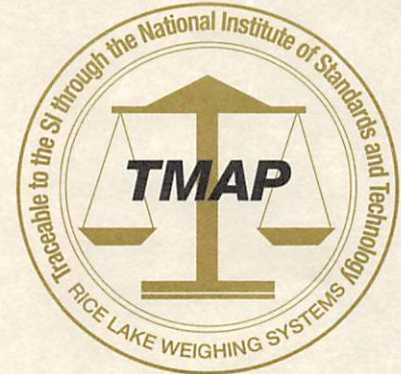
Traceable Calibration CERTIFICATE

ANSI/NCSL Z540-1-1994; Part 1 & ISO/IEC 17025 Accredited

Contractor: Abacus Scales
 1640 W Pershing Rd
 Chicago, IL 60609

Purchase Order #: 142186
Client: Abacus Scales
Address: 1640 W Pershing Rd

City & State: Chicago, IL 60609
Date Received: 23 MAY 2014
Date Calibrated: 27 MAY 2014
Temperature Range: 21.47 to 22.00 °C
Pressure Range: 730.0 to 730.5 mmHg
Relative Humidity Range: 51 to 54 %
Air Density: 1.1435 to 1.1452 mg/cm³
Traceable Report #: 2151741
NIST Certificate #: 681/280058-10, 684/284451-14
Tested By: 19, 22
Procedure: Modified Substitution (WI05-0023)
Contractor Req Recall Date: 2 Years
Primary Standard Calibration Date: 02/11/11, 11/26/13 **Due:** 02/11/15, 11/24/17
Description of Weights: 1/32 oz to 10 lb Satin Finish Weight Kit, NIST Class "F", S/N 72398
 Although there are two NIST numbers, one or both may apply.



| Nominal Value | Id. | Conventional Mass Corr. | | Unc. K=2 (mg) | Tol. (mg) | Balance Used | Standard Set Used Calibrated/due MM-DD-YY/MM-DD-YY | Assumed Density (g/cm ³) |
|---------------|-----|-------------------------|--------------|---------------|-----------|--------------|--|--------------------------------------|
| | | As Found (mg) | As Left (mg) | | | | | |
| 10 lb | | 155 | 155 | 28 | 450 | 859Q | D564Q 04-18-14/10-17-14 | 7.84 |
| 5 lb | | 1 | 1 | 18 | 227 | 859Q | D564Q 04-18-14/10-17-14 | 7.84 |
| 2 lb | | 32 | 32 | 13 | 91 | 859Q | D564Q 04-18-14/10-17-14 | 7.84 |
| 2 lb | | -18 | -18 | 13 | 91 | 859Q | D564Q 04-18-14/10-17-14 | 7.84 |
| 1 lb | | 5.3 | 5.3 | 4.6 | 70 | 859Q | D564Q 04-18-14/10-17-14 | 7.84 |
| 8 oz | | 18.4 | 18.4 | 4.0 | 45 | 859Q | D564Q 04-18-14/10-17-14 | 7.84 |
| 4 oz | | 10.95 | 10.95 | 0.91 | 23 | 1221Q | D564Q 04-18-14/10-17-14 | 7.84 |
| 2 oz | | 5.70 | 5.70 | 0.52 | 11 | 1221Q | D564Q 04-18-14/10-17-14 | 7.84 |
| 1 oz | | 1.19 | 1.19 | 0.42 | 5.4 | 1221Q | D564Q 04-18-14/10-17-14 | 7.84 |
| 1/2 oz | | -0.11 | -0.11 | 0.35 | 2.8 | 1221Q | D564Q 04-18-14/10-17-14 | 7.84 |
| 1/4 oz | | 0.99 | 0.99 | 0.22 | 1.7 | 638Q | D564Q 04-18-14/10-17-14 | 7.84 |
| 1/8 oz | | 0.71 | 0.71 | 0.18 | 1.3 | 638Q | D564Q 04-18-14/10-17-14 | 7.84 |
| 1/16 oz | | 0.50 | 0.50 | 0.16 | 1.1 | 638Q | D564Q 04-18-14/10-17-14 | 7.84 |
| 1/32 oz | | 0.50 | 0.50 | 0.14 | 0.87 | 638Q | D564Q 04-18-14/10-17-14 | 7.84 |
| 1/32 oz | | 0.30 | 0.30 | 0.14 | 0.87 | 638Q | D564Q 04-18-14/10-17-14 | 7.84 |

This report contains data not covered by the NVLAP Accreditation if the box is checked.

Prepared By:

Check with your local state agency for certification of compliance on Legal for Trade items.
 Unless otherwise noted, weights tested meet the requirements of Class noted on description.



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Dated 28 MAY 2014

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Dan Demers Metrologist



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PN 64784 2/14