

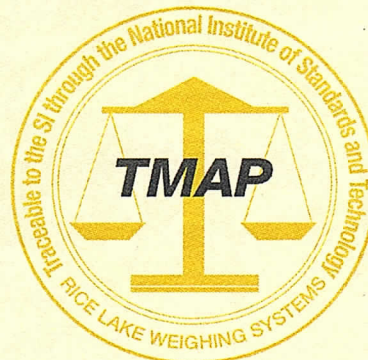
Traceable Certificate Number: 2707189A
Contractor: ADVANCED SCALE INC
 13 DELTA DR UNIT 6
 LONDONDERRY, NH 03053

Purchase Order Number: 8603
Client: ADVANCED SCALE INC
 13 DELTA DR UNIT 6
 LONDONDERRY, NH 03053

Date Received: 21 Feb 2018
Date Calibrated: 22 Feb 2018 to 23 Feb 2018
Recall Date: FEB 2019
Temperature Range: 21.08 °C to 21.20 °C
Pressure Range: 731.77 mmHg to 742.48 mmHg
Relative Humidity Range: 46 % to 56 %
Air Density Range: 1.1492 mg/cm³ to 1.1663 mg/cm³
NIST Certificate Number: 684/286541-15 & 684/285268-14

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

Calibrated By: 17, 24
Procedure: Inter-comparison Method (WI05-0095)
Condition of Weights: Acceptable for Calibration
Description of Weights: 5 mg to 100 g Polished Weights, ASTM Class 1, S/N 0M31



Nominal Value	ID or S/N	As Found			As Left			Unc. (mg)	k	MPE* (mg)	Balance Used	Standard Assumed	
		Conv. Mass	Conv. Mass Corr (mg)	MPE Pass	Conv. Mass	Conv. Mass Corr (mg)	MPE Pass					Set Used	Density (g/cm ³)
5 mg	0M31	5.0035	0.0035	Y	5.0035	0.0035	Y	0.0016	2	0.010	650Q	L595Q	7.95
20 mg	0M31	20.00148	0.00148	Y	20.00148	0.00148	Y	0.00044	2	0.010	650Q	L595Q	7.95
200 mg	0M31	199.99973	-0.00027	Y	199.99973	-0.00027	Y	0.00053	2	0.010	650Q	L595Q	7.95
200 mg	0M31.	199.99683	-0.00317	Y	199.99683	-0.00317	Y	0.00053	2	0.010	650Q	L595Q	7.95
500 mg	0M31	499.99809	-0.00191	Y	499.99809	-0.00191	Y	0.00082	2	0.010	650Q	L595Q	7.95
1 g	0M31	1.0000123	0.0123	Y	1.0000123	0.0123	Y	0.0013	2	0.034	650Q	L595Q	7.95
2 g	0M31	2.0000048	0.0048	Y	2.0000048	0.0048	Y	0.0016	2	0.034	650Q	L595Q	7.95
2 g	0M31.	2.0000164	0.0164	Y	2.0000164	0.0164	Y	0.0016	2	0.034	650Q	L595Q	7.95
5 g	0M31	4.9999887	-0.0113	Y	4.9999887	-0.0113	Y	0.0036	2	0.034	650Q	L595Q	7.95
10 g	0M31	10.0000179	0.0179	Y	10.0000179	0.0179	Y	0.0073	2	0.050	1470Q	L595Q	7.95
20 g	0M31	20.0000169	0.0169	Y	20.0000169	0.0169	Y	0.0061	2	0.074	1470Q	L595Q	7.95
20 g	0M31.	19.9999999	-0.0001	Y	19.9999999	-0.0001	Y	0.0061	2	0.074	1470Q	L595Q	7.95
50 g	0M31	50.000006	0.006	Y	50.000006	0.006	Y	0.011	2	0.12	1470Q	L595Q	7.95
100 g	0M31	100.000031	0.031	Y	100.000031	0.031	Y	0.021	2	0.25	1470Q	L595Q	7.95

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

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. The Uncertainty of Measurement is included in the determination of Maximum Permissible Error (MPE) Pass/Fail Criteria. The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook

Prepared By: 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 23 Feb 2018

Dan Demers, Metrologist

