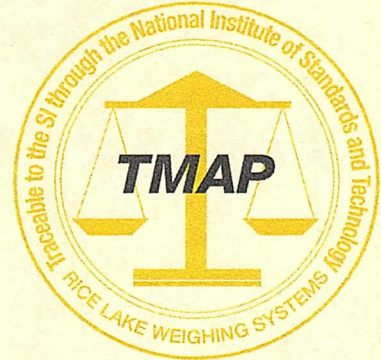


Traceable Certificate Number: 2864429A
Contractor: ADVANCED SCALE INC
 13 DELTA DR UNIT 6
 LONDONDERRY, NH 03053-2372

Purchase Order Number: 8894
Client: ADVANCED SCALE INC
 13 DELTA DR UNIT 6
 LONDONDERRY, NH 03053-2372



Date Received: 20 Feb 2019
Date Calibrated: 22 Feb 2019 to 25 Feb 2019
Recall Date: 22 Feb 2020
Temperature Range: 21.50 °C to 21.56 °C
Pressure Range: 740.69 mmHg to 742.17 mmHg
Relative Humidity Range: 47 % to 53 %
Air Density Range: 1.1618 mg/cm³ to 1.1647 mg/cm³
NIST Certificate Number: 684/286541-15 & 684/291344-18

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

Calibrated By: 03, 17
Procedure: Inter-comparison Method (WI05-0095)
Condition of Weights: Acceptable for Calibration
Description of Weights: 5. mg to 100 g Polished Weight Kit, ASTM Class 1, S/N 0M31

Nominal Value	ID or S/N	As Found			As Left			Unc. (mg)	k	MPE* (mg)	Balance Used	Standard Set Used	Assumed Density (g/cm ³)
		Conv. Mass	Conv. Mass Corr (mg)	MPE Pass	Conv. Mass	Conv. Mass Corr (mg)	MPE Pass						
5 mg	0M31	5.0022	0.0022	Y	5.0022	0.0022	Y	0.0011	2	0.010	503Q	L595Q	7.95
20 mg	0M31	20.0014	0.0014	Y	20.0014	0.0014	Y	0.0011	2	0.010	503Q	L595Q	7.95
200 mg	0M31	199.99997	-0.00003	Y	199.99997	-0.00003	Y	0.00073	2	0.010	503Q	L595Q	7.95
200 mg	0M31.	199.99639	-0.00361	Y	199.99639	-0.00361	Y	0.00073	2	0.010	503Q	L595Q	7.95
500 mg	0M31	499.9956	-0.0044	Y	499.9956	-0.0044	Y	0.0012	2	0.010	503Q	L595Q	7.95
1 g	0M31	1.0000099	0.0099	Y	1.0000099	0.0099	Y	0.0032	2	0.034	503Q	L595Q	7.95
2 g	0M31	2.0000010	0.0010	Y	2.0000010	0.0010	Y	0.0031	2	0.034	503Q	L595Q	7.95
2 g	0M31.	2.0000130	0.0130	Y	2.0000130	0.0130	Y	0.0031	2	0.034	503Q	L595Q	7.95
5 g	0M31	4.9999832	-0.0168	Y	4.9999832	-0.0168	Y	0.0042	2	0.034	503Q	L595Q	7.95
10 g	0M31	10.000018	0.018	Y	10.000018	0.018	Y	0.010	2	0.050	1470Q	L595Q	7.95
20 g	0M31	20.0000064	0.0064	Y	20.0000064	0.0064	Y	0.0099	2	0.074	1470Q	L595Q	7.95
20 g	0M31.	19.9999982	-0.0018	Y	19.9999982	-0.0018	Y	0.0099	2	0.074	1470Q	L595Q	7.95
50 g	0M31	49.999975	-0.025	Y	49.999975	-0.025	Y	0.016	2	0.12	1470Q	L595Q	7.95
100 g	0M31	99.999973	-0.027	Y	99.999973	-0.027	Y	0.028	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 105-1 (1990), ASTM E617-13 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

Prepared By: Rice Lake Weighing Systems
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 Definitions: <http://certs.ricelake.com/certs/DefinitionsV2.docx>

Dated 25 Feb 2019

Dan Demers
 Dan Demers, Metrologist



The Uncertainty assigned to the Conventional Mass values are the result of the root-sum-square of the type A and type B components, calculated in accordance with NIST SOP 29 and ISO GUM, with a coverage factor (k), to express the expanded uncertainty with an approximate 95.45 % confidence level. This Report is not to be used to claim product certification, approval, or endorsement by NVLAP, NIST, A2LA or any agency of the U.S. Government. This document shall not be reproduced, except in full, without the written approval of Rice Lake Weighing Systems' Metrology Laboratory.

