

Traceable Certificate Number: 3020158
Contractor: ADVANCED SCALE INC
 13 DELTA DR UNIT 6
 LONDONDERRY, NH 03053-2372

Purchase Order Number: 9222
Client: ADVANCED SCALE INC
 13 DELTA DR UNIT 6
 LONDONDERRY, NH 03053-2372

Date Received: 19 Feb 2020
Date Calibrated: 20 Feb 2020 to 21 Feb 2020
Recall Date: 20 Feb 2021
Temperature Range: 21.01 °C to 21.18 °C
Pressure Range: 733.15 mmHg to 746.60 mmHg
Relative Humidity Range: 46 % to 51 %
Air Density Range: 1.1523 mg/cm³ to 1.1730 mg/cm³
NIST Certificate Number: 684/291344-18 & 684/292805-19

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

Calibrated By: 03, 05
Procedure: Inter-comparison Method (WI05-0095 Rev. C)
Condition of Weights: Acceptable for Calibration
Description of Weights: 200 g to 2 kg Polished Weights, ASTM Class 1, S/N 07734



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						
200 g	07734.	200.000200	0.200	Y	200.000200	0.200	Y	0.043	2	0.50	699Q	L595Q	7.95
300 g	07734.	300.000383	0.383	Y	300.000383	0.383	Y	0.063	2	0.75	699Q	L595Q	7.95
500 g	07734.	500.000639	0.639	Y	500.000639	0.639	Y	0.079	2	1.2	699Q	L595Q	7.95
1 kg	07734.	1.00000061	0.61	Y	1.00000061	0.61	Y	0.11	2	2.5	699Q	L595Q	7.95
2 kg	07734	2.00000196	1.96	Y	2.00000196	1.96	Y	0.20	2	5.0	208Q	L595Q	7.95
2 kg	07734.	2.00000167	1.67	Y	2.00000167	1.67	Y	0.20	2	5.0	208Q	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. Results relate only to weights calibrated. 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 (2019), NIST Handbook 105-1 (1990), ASTM E617-18 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

Prepared By:
Rice Lake Weighing Systems
 230 West Coleman Street, Rice Lake, WI 54868 • USA • PN 64787 • 6/19
 TEL: 715-234-9171 • FAX: 715-234-6967 • www.ricelake.com
 Definitions: <http://certs.ricelake.com/certs/DefinitionsV2.docx>

Dated 21 Feb 2020

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.

