

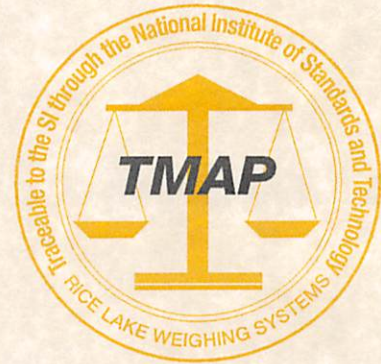
Traceable Certificate Number: 2624830
Contractor: W B PORTER & COMPANY INC
 PO BOX 27905
 RALEIGH, NC 27611-7905

Purchase Order Number: 17267
Client: W B PORTER & COMPANY INC
 1721 LAKE WHEELER RD
 RALEIGH, NC 27603

Date Received: 09 Aug 2017
Date Calibrated: 11 Aug 2017 to 14 Aug 2017
Recall Date: 11 Aug 2019
Temperature Range: 21.87 °C to 22.00 °C
Pressure Range: 728.77 mmHg to 734.63 mmHg
Relative Humidity Range: 48.15 % to 51.08 %
Air Density Range: 1.1413 mg/cm³ to 1.1512 mg/cm³
NIST Certificate Number: 684/286541-15 & 684/284451-14

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

Calibrated By: 20, 24
Procedure: Inter-comparison Method (WI05-0095)
Condition of Weights: Acceptable for Calibration
Description of Weights: 100 g to 5 kg Polished Weights, ASTM Class 2, S/N 29MG



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						
100 g		99.999966	-0.034	Y	99.999966	-0.034	Y	0.030	2	0.50	1631Q	K594Q	7.95
200 g		200.000154	0.154	Y	200.000154	0.154	Y	0.049	2	1.0	619Q	K594Q	7.95
300 g		300.000314	0.314	Y	300.000314	0.314	Y	0.057	2	1.5	619Q	K594Q	7.95
500 g		500.000346	0.346	Y	500.000346	0.346	Y	0.090	2	2.5	619Q	K594Q	7.95
1 kg		1.00000007	0.07	Y	1.00000007	0.07	Y	0.16	2	5.0	619Q	K594Q	7.95
2 kg		2.00000142	1.42	Y	2.00000142	1.42	Y	0.51	2	10	1632Q	K594Q	7.95
3 kg		3.00000423	4.23	Y	3.00000423	4.23	Y	0.68	2	15	1632Q	K594Q	7.95
5 kg		5.0000093	9.3	Y	5.0000093	9.3	Y	1.2	2	25	1632Q	K594Q	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 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

230 West Coleman Street, Rice Lake, WI 54868 • USA
 TEL: 715-234-9171 • FAX: 715-234-6967 • www.ricelake.com
 Definitions: <http://certs.ricelake.com/certs/DefinitionsV1.docx>

Dated 14 Aug 2017

Debbie Schieffer
 Deb Schieffer, Lab Supervisor



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 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.