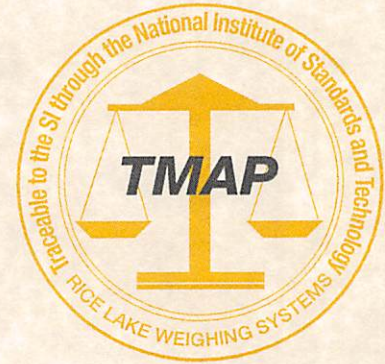


**Traceable Certificate Number:** 2624830D  
**Contractor:** W B PORTER & COMPANY INC  
 PO BOX 27905  
 RALEIGH, NC 27611-7905

**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:** 21.75 °C to 21.98 °C  
**Pressure Range:** 728.71 mmHg to 734.03 mmHg  
**Relative Humidity Range:** 47.86 % to 52.20 %  
**Air Density Range:** 1.1415 mg/cm<sup>3</sup> to 1.1508 mg/cm<sup>3</sup>  
**NIST Certificate Number:** 684/286541-15 & 684/284451-14

Although there are two NIST numbers, one or both may apply  
**Calibrated By:** 20  
**Procedure:** Inter-comparison Method (WI05-0095)  
**Condition of Weights:** Acceptable for Calibration  
**Description of Weights:** 2 mg to 100 g Polished Weights, ASTM Class 2, S/N S1



Nominal Value	ID or S/N	As Found			As Left			Unc. (mg)	k	MPE* (mg)	Balance Used	Standard Set Used	Assumed Density (g/cm <sup>3</sup> )
		Conv. Mass	Conv. Mass Corr (mg)	MPE Pass	Conv. Mass	Conv. Mass Corr (mg)	MPE Pass						
2 mg		2.0017	0.0017	Y	<b>2.0017</b>	<b>0.0017</b>	Y	0.0011	2	0.014	1605Q	K594Q	7.95
3 mg		3.0054	0.0054	Y	<b>3.0054</b>	<b>0.0054</b>	Y	0.0012	2	0.014	1605Q	K594Q	7.95
5 mg		5.0016	0.0016	Y	<b>5.0016</b>	<b>0.0016</b>	Y	0.0015	2	0.014	1605Q	K594Q	7.95
10 mg		10.0019	0.0019	Y	<b>10.0019</b>	<b>0.0019</b>	Y	0.0020	2	0.014	1605Q	K594Q	7.95
20 mg		20.0028	0.0028	Y	<b>20.0028</b>	<b>0.0028</b>	Y	0.0018	2	0.014	1605Q	K594Q	7.95
30 mg		30.0023	0.0023	Y	<b>30.0023</b>	<b>0.0023</b>	Y	0.0020	2	0.014	1605Q	K594Q	7.95
50 mg		50.0034	0.0034	Y	<b>50.0034</b>	<b>0.0034</b>	Y	0.0020	2	0.014	1605Q	K594Q	7.95
100 mg		100.0004	0.0004	Y	<b>100.0004</b>	<b>0.0004</b>	Y	0.0021	2	0.025	1605Q	K594Q	7.95
200 mg		199.9968	-0.0032	Y	<b>199.9968</b>	<b>-0.0032</b>	Y	0.0018	2	0.025	1605Q	K594Q	7.95
300 mg		299.9996	-0.0004	Y	<b>299.9996</b>	<b>-0.0004</b>	Y	0.0019	2	0.025	1605Q	K594Q	7.95
500 mg		500.0032	0.0032	Y	<b>500.0032</b>	<b>0.0032</b>	Y	0.0021	2	0.025	1605Q	K594Q	7.95
1 g		1.0000116	0.0116	Y	<b>1.0000116</b>	<b>0.0116</b>	Y	0.0023	2	0.054	1605Q	K594Q	7.95
2 g		2.0000114	0.0114	Y	<b>2.0000114</b>	<b>0.0114</b>	Y	0.0027	2	0.054	1605Q	K594Q	7.95
3 g		3.0000151	0.0151	Y	<b>3.0000151</b>	<b>0.0151</b>	Y	0.0035	2	0.054	1605Q	K594Q	7.95
5 g		5.0000110	0.0110	Y	<b>5.0000110</b>	<b>0.0110</b>	Y	0.0051	2	0.054	1605Q	K594Q	7.95
10 g		10.000025	0.025	Y	<b>10.000025</b>	<b>0.025</b>	Y	0.013	2	0.074	676Q	K594Q	7.95
20 g		19.999998	-0.002	Y	<b>19.999998</b>	<b>-0.002</b>	Y	0.012	2	0.10	676Q	K594Q	7.95
30 g		30.000012	0.012	Y	<b>30.000012</b>	<b>0.012</b>	Y	0.016	2	0.15	1631Q	K594Q	7.95

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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  
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Definitions: <http://certs.ricelake.com/certs/DefinitionsV1.docx>

Dated **14 Aug 2017**

*Debbie Schieff*  
 Deb Schieffer, Lab Supervisor

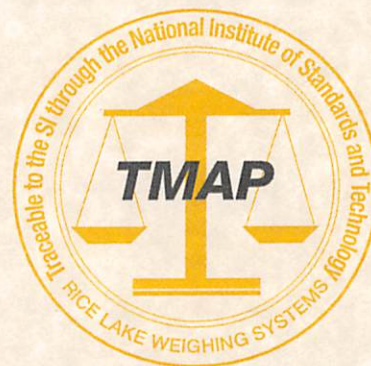


The Uncertainty assigned to the Conventional Mass values are the result of the root-sum-square of the type A and type B components, calculated in accordance with NIST SOP 29 and ISO GUM, with a coverage factor (k), to express the expanded uncertainty with an approximate 95.45 % confidence level. This 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.

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		Conv. Mass	Conv. Mass Corr (mg)	MPE Pass	Conv. Mass	Conv. Mass Corr (mg)	MPE Pass						
50 g		50.000046	0.046	Y	50.000046	0.046	Y	0.016	2	0.25	1631Q	K594Q	7.95
100 g		99.999887	-0.113	Y	99.999887	-0.113	Y	0.029	2	0.50	1631Q	K594Q	7.95

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**Dated 14 Aug 2017**

*Debbie Schieffer*  
 Deb Schieffer, Lab Supervisor

