



WEIGHT TRACEABLE CERTIFICATE

Certificate for: Porter Scales
W.B. Porter & Co., Inc.
1721 Lake Wheeler Road
Raleigh, NC 27603

Certificate Number: 17-66866
Serial Number: 2M11
ID Number: N/A
Date of Calibration: 13-October-2017
Next Calibration Due: October-2019

Calibration Info

Air Density: 1.2106 (mg/cm³)
Temperature: 20.48 °C
Pressure: 768.84 mmHg
Rel. Humidity: 54.55 % RH

Procedure: SWI-10.08
NIST Traceable Test Number: 684/286969-15

Weight Range: (500g-1mg) 24pc Set
Accuracy Class: (OIML R 111-1) E2

Standards Used: 59051, 57644
Last Calibration Date: 28-April-2017
Next Calibration Due: 31-October-2017

Calibrated By: Mark Keefe
Mass Metrologist

Approved By: Fred J. Algieri
Mass Technical Manager

Conventional Mass Values & Tolerance Data

Nominal Value	As Found Weight Value	As Left Weight Value	Uncertainty (k=2 95%)	(OIML R 111-1) E2 Tolerance (+/-)	As Found Disposition
500 g•	500.00016 g	500.00016 g	0.00008 g	0.00075 g	In Tolerance
200 g•	200.000019 g	200.000019 g	0.000045 g	0.00030 g	In Tolerance
200 g••	199.999992 g	199.999992 g	0.000045 g	0.00030 g	In Tolerance
100 g• (Initial)	99.999867 g	Removed	0.000029 g	0.00015 g	In Tolerance
50 g•	49.999930 g	49.999930 g	0.000017 g	0.00010 g	In Tolerance
20 g•	20.000000 g	20.000000 g	0.000010 g	0.000080 g	In Tolerance
20 g••	20.000013 g	20.000013 g	0.000010 g	0.000080 g	In Tolerance
10 g•	9.999997 g	9.999997 g	0.000008 g	0.000060 g	In Tolerance
5 g•	5.0000046 g	5.0000046 g	0.0000028 g	0.000050 g	In Tolerance
2 g•	2.0000002 g	2.0000002 g	0.0000022 g	0.000040 g	In Tolerance
2 g••	2.0000119 g	2.0000119 g	0.0000022 g	0.000040 g	In Tolerance
1 g•	0.9999884 g	0.9999884 g	0.0000017 g	0.000030 g	In Tolerance
500 mg	500.0073 mg	500.0073 mg	0.0015 mg	0.025 mg	In Tolerance
200 mg	199.9968 mg	199.9968 mg	0.0010 mg	0.020 mg	In Tolerance
200 mg•	199.9992 mg	199.9992 mg	0.0010 mg	0.020 mg	In Tolerance
100 mg	99.9958 mg	99.9958 mg	0.0009 mg	0.015 mg	In Tolerance
20 mg	19.9969 mg	19.9969 mg	0.0010 mg	0.010 mg	In Tolerance
20 mg•	20.0028 mg	20.0028 mg	0.0010 mg	0.010 mg	In Tolerance
10 mg	10.0019 mg	10.0019 mg	0.0011 mg	0.008 mg	In Tolerance
5 mg	4.9990 mg	4.9990 mg	0.0010 mg	0.006 mg	In Tolerance
5 mg•	4.9985 mg	4.9985 mg	0.0010 mg	0.006 mg	In Tolerance
2 mg	1.9989 mg	1.9989 mg	0.0008 mg	0.006 mg	In Tolerance
2 mg•	2.0006 mg	2.0006 mg	0.0008 mg	0.006 mg	In Tolerance
1 mg	1.0039 mg	1.0039 mg	0.0007 mg	0.006 mg	In Tolerance
100 g (New)	Initial Calibration	99.999995 g	0.000029 g	0.00015 g	Initial Calibration

Traceability Statement:

Atlantic Scale certifies the weights listed within this certificate have been calibrated against reference standards that are directly traceable to NIST. This Certificate represents a calibration within the scope of accreditation of ISO/IEC 17025, General Requirements for the Competence of Calibration and Testing Laboratories. The data listed only applies to the weights specifically documented in this report.

Uncertainty Statement:

A best estimate of possible inaccuracy of the measured values, due to both systematic and random components. The Combined Uncertainty includes the uncertainty reported for the standard and the uncertainty for the measurement process. The Combined Uncertainty is multiplied by the Coverage Factor, k=2, to give an Expanded Uncertainty, and a Confidence Level of 95%.