

Traceable Certificate

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Weight

ID Number	EQ-123456
Serial Number	12345
Order Number	0000008114
Certificate Number	999999T
Date Of Calibration	25-OCT-2014
Calibration Due Date	25-OCT-2015
As Found	Out of Tolerance
As Left	In Tolerance, Adjusted

Henry Troemner, LLC
 201 Wolf Drive
 Thorofare, NJ 08086

Description of Weights: Analytical Weight Set

Material	Assumed Density at 20 °C	Range
Stainless Steel	7.85g/cm ³	1g-500g


Tested with Reference Standards Traceable to the National Institute of Standards & Technology through NIST Test Number 822-275872-11.

We certify that the weights listed are calibrated to ASTM E617 Class 1 tolerances.

The calibration of these weights is based on apparent mass vs material of density 8.0 g/cm³.

Nominal Mass Value Notes	Serial Number	Correction before Calibration *	Correction after Calibration *	Tolerance (+ or -)	Uncertainty (+ or -)
500 g		0.12 mg	0.12 mg	1.200 mg	0.40 mg
200 g		0.08 mg	0.08 mg	0.500 mg	0.16 mg
200 g *		0.20 mg	0.20 mg	0.500 mg	0.16 mg
100 g		0.130 mg	0.130 mg	0.250 mg	0.080 mg
50 g		0.029 mg	0.029 mg	0.120 mg	0.040 mg
20 g		0.036 mg	0.036 mg	0.074 mg	0.024 mg
20 g *		0.029 mg	0.029 mg	0.074 mg	0.024 mg
10 g		0.001 mg	0.001 mg	0.050 mg	0.015 mg
5 g F		0.027 mg	0.017 mg	0.034 mg	0.011 mg
2 g		0.011 mg	0.011 mg	0.034 mg	0.011 mg
2 g *		0.004 mg	0.004 mg	0.034 mg	0.011 mg
1 g		0.006 mg	0.006 mg	0.034 mg	0.011 mg

* Correction is defined as the difference between the mass value of a weight and its nominal value. A positive correction indicates that the mass value is greater than the nominal value by the amount of the correction.



Joseph Moran, Metrology Manager, Approved Signatory