

Traceable Certificate

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Weight

Serial Number 2002
Order Number 123456
Certificate Number SAMPLE1
Date of Calibration 05-DEC-2002

Henry Troemner LLC
201 Wolf Drive
Thorofare, NJ 08086

Description of Weights: Troemner S/S S/K Weight Set

<u>Material</u>	<u>Assumed Density at 20°C</u>	<u>Range</u>
Stainless Steel (O/P)	7.95g/cm ³	100g - 100mg

Tested with Reference Standards Traceable to the National Institute of Standards & Technology through NIST Test Number 822/265036-01.

We certify that the weights listed are calibrated to ASTM E617-97*
Class 1 tolerances.

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

Nominal Mass Value	Serial Number	Correction*	Tolerance (+ or -)	Uncertainty (+ or -)
100 g		-0.0242 mg	0.250 mg	0.0703 mg
50 g		+0.0282 mg	0.120 mg	0.0346 mg
20 g*		+0.0306 mg	0.074 mg	0.0177 mg
20 g		+0.0164 mg	0.074 mg	0.0177 mg
10 g		-0.0322 mg	0.050 mg	0.0115 mg
5 g		-0.0016 mg	0.034 mg	0.0108 mg
2 g*		+0.0101 mg	0.034 mg	0.0076 mg
2 g		+0.0251 mg	0.034 mg	0.0076 mg
1 g		+0.0232 mg	0.034 mg	0.0075 mg
500 mg		+0.0005 mg	0.010 mg	0.0024 mg
200 mg*		+0.0063 mg	0.010 mg	0.0024 mg
200 mg		-0.0024 mg	0.010 mg	0.0024 mg
100 mg		+0.0052 mg	0.010 mg	0.0024 mg
50 mg		+0.0076 mg	0.010 mg	0.0024 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, Approved Signatory

* Denotes weight is marked with a dot



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ADDENDUM

Customer required information