

# Traceable Certificate

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**Weight**

ID Number                      WGT-123

Order Number                      CC  
 Certificate Number              TRACE-EXMP  
 Date Of Calibration              16-Jul-2021  
 Calibration Due Date              16-Jul-2022  
 As Found                              In Tolerance  
 As Left                                 In Tolerance

Troemner, LLC  
 201 Wolf Drive  
 Thorofare, NJ 08086

Description of Weights: ASTM Weight

Material	Assumed Density at 20 °C	Range
Stainless Steel	7.95 g/cm <sup>3</sup>	100mg

Tested with Reference Standards Traceable to the National Institute of Standards & Technology through NIST Test Number 684/289871-17.

We certify that the weights listed are calibrated to ASTM E617-18 Class 1 tolerances.

The calibration of these weights is based on apparent mass vs material of density 8.0 g/cm<sup>3</sup>.

Nominal Mass Value Notes	Serial Number	Correction before Calibration *	Correction after Calibration *	Tolerance ( + or - )	Uncertainty ( + or - )
100 mg	1000154314	0.0007 mg	0.0007 mg	0.010 mg	0.0032 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.

  
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 Lynn Dickerson, Metrologist, Approved Signatory