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

Material | Assumed Density at 20°C | Range
---|---|---
Stainless Steel (O/P) | 7.95g/cm³ | 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.

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

* 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
Henry Troemner LLC
201 Wolf Drive
Thorofare, NJ 08086

ADDENDUM

Customer required information