**New England Biolabs**

**Product Specification**

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Sodium Orthovanadate (Vanadate)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog #:</td>
<td>P0758S/L</td>
</tr>
<tr>
<td>Concentration:</td>
<td>100 mM</td>
</tr>
<tr>
<td>Shelf Life:</td>
<td>36 months</td>
</tr>
<tr>
<td>Storage Temp:</td>
<td>-20°C</td>
</tr>
<tr>
<td>Storage Conditions:</td>
<td>Supplied in sterile, purified water adjusted to pH 10.0</td>
</tr>
<tr>
<td>Specification Version:</td>
<td>PS-P0758S/L v1.0</td>
</tr>
<tr>
<td>Effective Date:</td>
<td>22 Oct 2018</td>
</tr>
</tbody>
</table>

**Assay Name/Specification (minimum release criteria)**

**Functional Testing (Sodium Orthovanadate)** - A 50 µl reaction in 1X Phosphatase Buffer containing 50 mM \( p \)-Nitrophenyl Phosphate (PNPP), 8 units Lambda Protein Phosphatase, and 0.5 mM Sodium Orthovanadate (Vanadate) incubated for 5 minutes at 30°C results in ≥85% inhibition of the phosphatase as determined by UV absorption at 405 nm.

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Derek Robinson  
Director of Quality Control  

Date 22 Oct 2018

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