INVERTASE (β-Fructofuranosidase) from yeast (Lot 100201d)

E-INVPD-2G 03/21
(EC 3.2.1.26) beta-D-fructofuranoside fructohydrolase

1. **PURITY:**
   Chromatographically purified. Specific activity 300 U/mg of solid on sucrose (1% w/v) at pH 4.5 and 40°C.

2. **CONTAMINANTS:**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Substrate</th>
<th>Contamination (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>α-Galactosidase</td>
<td>p-nitrophenyl α-galactoside</td>
<td>&lt; 0.001%</td>
</tr>
<tr>
<td>β-Galactosidase</td>
<td>p-nitrophenyl β-galactoside</td>
<td>&lt; 0.001%</td>
</tr>
<tr>
<td>α-Glucosidase</td>
<td>p-nitrophenyl α-gluco side</td>
<td>&lt; 0.001%</td>
</tr>
<tr>
<td>α-Glucosidase</td>
<td>maltose (2% w/v)</td>
<td>&lt; 0.001%</td>
</tr>
<tr>
<td>β-Glucosidase</td>
<td>p-nitrophenyl β-gluco side</td>
<td>&lt; 0.001%</td>
</tr>
</tbody>
</table>

3. **PHYSICOCHEMICAL PROPERTIES:**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>pH Optima:</td>
<td>4.5</td>
</tr>
<tr>
<td>pH Stability:</td>
<td>3.5 - 8.0</td>
</tr>
<tr>
<td>Temperature Optima:</td>
<td>60°C</td>
</tr>
<tr>
<td>Temperature Stability:</td>
<td>&lt; 60°C</td>
</tr>
</tbody>
</table>

4. **STORAGE CONDITIONS:**

The enzyme is supplied as a freeze-dried powder. It should be stored in the presence of dessicant below -10°C.

Allow to warm to room temperature in the presence of dessicant before opening the bottle. Once dissolved, the enzyme can be stored below -10°C.