Flavourzyme® 1000 L

Valid From: 2007-09-20

Product Characteristics:

Declared Enzyme: Aminopeptidase
Declared Activity: 1000 LAPU/g
Side activities: The product contains activity of Protease

Colour: Brown
Colour can vary from batch to batch. Colour intensity is not an indication of enzyme activity.

Physical form: Liquid

Properties: Product may be hazy and contain slight precipitate; this does not affect enzyme activity or performance

Approximate Density (g/ml): 1.27

Stabilisers: Potassium chloride
Sucrose

Preservatives: Potassium sorbate

Production organism: Aspergillus oryzae

Production Method: Produced by submerged fermentation of a micro organism. The enzyme protein is separated and purified from the production organism.
Product Specification:

<table>
<thead>
<tr>
<th></th>
<th>Lower Limit</th>
<th>Upper Limit</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminopeptidase Units LAPU</td>
<td>1000</td>
<td></td>
<td>/g</td>
</tr>
<tr>
<td>Total Viable Count</td>
<td></td>
<td>10000</td>
<td>/g</td>
</tr>
<tr>
<td>Coliform Bacteria</td>
<td></td>
<td>30</td>
<td>/g</td>
</tr>
<tr>
<td>Enteropathogenic E.Coli</td>
<td>Not Detected</td>
<td></td>
<td>/25 g</td>
</tr>
<tr>
<td>Salmonella</td>
<td>Not Detected</td>
<td></td>
<td>/25 g</td>
</tr>
</tbody>
</table>

The product complies with the recommended purity specifications for food-grade enzymes given by the Joint FAO/WHO Expert Committee on Food Additives (JECFA) and the Food Chemical Codex (FCC).

Packaging:

See the standard packaging list for more information.

Recommended Storage:

Best before

When stored as recommended, the product is best used within 6 months from date of delivery.

Storage at customer's warehouse

0-10°C (32°F-50°F)

Storage Conditions

In unbroken packaging - dry and protected from the sun. The product has been formulated for optimal stability. Extended storage or adverse conditions such as higher temperature or higher humidity may lead to a higher dosage requirement.

Safety and Handling Precautions

Enzymes are proteins. Inhalation of dust or aerosols may induce sensitization and may cause allergic reactions in sensitized individuals. Some enzymes may irritate the skin, eyes and mucous membranes upon prolonged contact. The product may create easily inhaled aerosols if splashed or vigorously stirred. Spilled product may dry out and create dust. Spilled material should be flushed away with water. Avoid splashing. Left over material may dry out and create dust. Wear suitable protective clothing, gloves and eye/face protection as prescribed on the warning label. Wash contaminated clothes. A Material Safety Data Sheet is supplied with all products. See the Safety Manual for further information regarding how to handle the product safely.