## Product Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Product Name</th>
<th>Synonym</th>
<th>Molecular Formula</th>
<th>Molecular Weight</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>HS Code</th>
<th>Shelf Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRM110</td>
<td>D-({(+)-Trehalose dihydrate}</td>
<td>D-Glucopyranosyl-(\alpha)-D-glucopyranoside; (\alpha,\alpha)-Trehalose</td>
<td>C(<em>{12})H(</em>{22})O(<em>{11}).2H(</em>{2})O</td>
<td>378.33</td>
<td>6138-23-4</td>
<td>202-739-6</td>
<td>2940 00 00</td>
<td>4 years</td>
</tr>
</tbody>
</table>

### Technical Specification

- **Appearance**: White to off-white hygroscopic crystals or powder
- **Solubility**: 1000 mg soluble in 1 mL of water
- **FTIR (KBr disc)**: Matches with the standard pattern
- **Specific rotation**: +176.0° to +182.0° (c = 2% in water at 20°C)
- **Melting range**: 97 - 99°C
- **Loss on drying (at 130°C, 2hr)**: 8.50 - 10.50%
- **Assay (GC/HPLC)**: 99.00 - 102.00%

### Risk and Safety Information

- **WGK**: 2
- **Storage Temperature(°C)**: Store below 30°C

### Transport Information

- **Marine Pollutant**: No
- **ADR/RID**: Not Dangerous Goods
- **IMDG**: Not Dangerous Goods
- **IATA**: Not Dangerous Goods