### 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>PCT0605</td>
<td>D-(+)-Mannose, Plant Culture Tested</td>
<td>D-Mannopyranose</td>
<td>C&lt;sub&gt;6&lt;/sub&gt;H&lt;sub&gt;12&lt;/sub&gt;O&lt;sub&gt;6&lt;/sub&gt;</td>
<td>180.16</td>
<td>3458-28-4</td>
<td>222-392-4</td>
<td>2940 00 00</td>
<td>4 years</td>
</tr>
</tbody>
</table>

### Technical Specification

- **Appearance**: White to off-white crystals or powder or solid
- **Solubility**: 33.3 mg soluble in 1 mL of water
- **Cultural response**: Cultures conditions - Incubation period (5wks), Relative humidity (60±2%), Temperature (25±2°C), Photoperiod Day: Night in hours (16:8)
- **Shoot culture**: No structural deformity observed, actively growing shoots, no toxicity to shoots
- **Callus culture**: No necrotic tissues, actively growing callus, no toxicity to callus
- **Specific rotation**: +13.50° to +15.50° (c = 4% in water at 25°C)
- **Melting range**: 133 - 140°C
- **Assay (HPLC/GC)**: min. 98.00%

### Risk and Safety Information

- **WGK**: 3
- **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