# Product Information

## PCT0208  Inositol, Plant Culture Tested

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCT0208</td>
<td>100G</td>
</tr>
<tr>
<td>PCT0208</td>
<td>1KG</td>
</tr>
<tr>
<td>PCT0208</td>
<td>25G</td>
</tr>
</tbody>
</table>

### Product Information

- **Product Code**: PCT0208
- **Product Name**: Inositol, Plant Culture Tested
- **Synonym**: meso-Inositol; myo-Inositol
- **Molecular Formula**: \( C_6H_{12}O_6 \)
- **Molecular Weight**: 180.16
- **CAS No.**: 87-89-8
- **EC No.**: 201-781-2
- **HS Code**: 2906 13 90
- **Shelf Life**: 4 years

### Technical Specification

- **Appearance**: White crystals or powder
- **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
- **Chloride (Cl)**: <= 0.005%
- **Heavy metals (as Pb)**: <= 0.002%
- **Loss on drying (at 110° C, 4Hr)**: <= 0.5%
- **Residue on ignition**: <= 0.1%
- **Iron (Fe)**: <= 0.0005%
- **Melting range**: 222 - 227°C
- **Sulphate (SO4)**: <= 0.006%
- **Assay (GC)**: min. 98.00%

### Risk and Safety Information

- **S-Phrase(s)**: 22-24/25
- **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

---

The information contained herein is believed to be accurate and complete. However no warranty or guarantee whatsoever is made or is to be implied with respect to such Information or with respect to any product, method or apparatus referred to herein.