Product Information

PCT0502  L-Malic acid

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<tr>
<th>Product Number</th>
<th>Packing</th>
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<tbody>
<tr>
<td>PCT0502</td>
<td>250G</td>
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Product Information

- **Product Code**: PCT0502
- **Product Name**: L-Malic acid
- **Synonym**: (S)-(-)-2-Hydroxyseuccinic acid, L-Hydroxybutanedioic acid
- **Molecular Formula**: $C_4H_6O_5$
- **Molecular Weight**: 134.09
- **CAS No.**: 97-67-6
- **HS Code**: 2918 19 98
- **Shelf Life**: 4 years

Technical Specification

- **Appearance**: White crystals or powder
- **Solubility**: Soluble in water
- **Culture response**: Cultures conditions - Incubation period (5wks), Relative humidity (60±2%), Temperature (25±2ºC), 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**: (c = 8.5% in water) -1.5º to -3º
- **Melting point**: 101 - 106ºC
- **Assay % (NaOH Titration)**: 96.5 - 103.5%

GHS Safety Information

- **Hazard Statement(s)**: H315-H319-H335
- **Precautionary Statement(s)**: P261-P305+P351+P338
- **Signal Word**: Warning
- **Hazard Pictogram(s)**

Risk and Safety Information

- **R-Phrase(s)**: 36/37/38
- **S-Phrase(s)**: 26-36
- **WGK**: 3
- **Storage Temperature(ºC)**: Store below 30ºC
- **Hazard Symbol(s)**

Transport Information
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