## Product Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCT0306</td>
<td>25G</td>
</tr>
<tr>
<td>PCT0306</td>
<td>100G</td>
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<tr>
<td>PCT0306</td>
<td>500G</td>
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<tr>
<td>PCT0306</td>
<td>1KG</td>
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</tbody>
</table>

### Product Information

- **Product Code**: PCT0306
- **Product Name**: L-Cystine, Plant Culture Tested
- **Molecular Formula**: C₆H₁₂N₂O₄S₂
- **Molecular Weight**: 240.30
- **CAS No.**: 56-89-3
- **EC No.**: 200-296-3
- **HS Code**: 2930 90 13
- **Shelf Life**: 4 years

### Technical Specification

- **Appearance**: Colourless or white to off-white crystals or powder
- **Solubility**: 33.3 mg soluble in 1 mL of dilute hydrochloric acid
- **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
- **FTIR (KBr disc)**: Matches with the standard pattern
- **Specific rotation (c = 2% in 1M HCl)**: -224.0° to -209.0°
- **Loss on drying (at 105°C, 3 hr)**: <= 0.50%
- **Assay (Iodometry, on dry basis)**: 99.00 - 103.00%

### 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