# Product Information

## PCT0311  L-Histidine, Plant Culture Tested

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCT0311</td>
<td>25G</td>
</tr>
<tr>
<td>PCT0311</td>
<td>100G</td>
</tr>
<tr>
<td>PCT0311</td>
<td>500G</td>
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</tbody>
</table>

## Product Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Product Name</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>PCT0311</td>
<td>L-Histidine, Plant Culture Tested</td>
<td>C₆H₉N₃O₂</td>
<td>155.15</td>
<td>71-00-1</td>
<td>200-745-3</td>
<td>2933 29 90</td>
<td>4 years</td>
</tr>
</tbody>
</table>

## Technical Specification

- **Appearance**: Colourless or white to off-white crystals or powder
- **Solubility**: 33.3 mg soluble in 1 mL of water
- **pH (2% in water at 25°C)**: 7.00 - 8.50
- **Cultural response**: Cultures conditions - Incubation period (5wks), Relative humidity (60±2%), Temperature (25±2°C), Photoperiod Day: Night in hours (16:8)
  - No structural deformity observed, actively growing shoots, no toxicity to shoots
- **Callus culture**: No necrotic tissues, actively growing callus, no toxicity to callus
- **FTIR**: Matches with the standard pattern
- **Specific rotation**: +12.0° to +14.0° (c = 11% in 6M HCl at 25°C)
- **Assay (NT/HCl Titration)**: 99.00 - 102.00%

## Risk and Safety Information

- **WGK**: 1
- **RTECS**: MS3070000
- **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