# Product Information

## PCT0121 Fe-EDDHA, Plant Culture Tested

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCT0121</td>
<td>100G</td>
</tr>
</tbody>
</table>

## Product Information

- **Product Code**: PCT0121
- **Product Name**: Fe-EDDHA, Plant Culture Tested
- **Synonym**: Ethylenediamine-N,N'-bis(2-hydroxyphenylacetic acid) ferric-sodium complex
- **Molecular Formula**: C_{18}H_{16}O_{6}N_{2}NaFe
- **Molecular Weight**: 435.17
- **CAS No.**: 16455-61-1
- **EC No.**: 240-505-5
- **HS Code**: 2922 49 90
- **Shelf Life**: 4 years

## Technical Specification

- **Appearance**: Dark red-brown to brown to black powder or microgranules
- **Solubility**: 33.3 mg soluble in 1 mL of water
- **pH (1% in water at 25°C)**: 4.00 - 9.00
- **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
- **Iron (Fe by Iodometry)**: 5.00 - 7.00%

## Risk and Safety Information

- **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