# Product Information

## Product Information

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Packing</th>
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<tbody>
<tr>
<td>PCT0109</td>
<td>500G</td>
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## Ferric citrate monohydrate, Plant Culture Tested

### Product Information

- **Product Code**: PCT0109
- **Product Name**: Ferric citrate monohydrate, Plant Culture Tested
- **Synonym**: Iron(III) citrate tribasic monohydrate
- **Molecular Formula**: C₆H₅FeO₇·H₂O
- **Molecular Weight**: 262.96
- **CAS No.**: 2338-05-8
- **EC No.**: 219-045-4
- **HS Code**: 2918 15 00
- **Shelf Life**: 4 years

## Technical Specification

- **Appearance**: Red to brown 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
- **Assay (% Fe, Iodometry)**: 18.00 - 20.00 %

## 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