Product Information

**PCT0803**  **Indole-3-acetic acid (IAA; Heteroauxine), Plant Culture Tested**

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<th>Product Number</th>
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<td>PCT0803</td>
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<td>PCT0803</td>
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### Product Information

- **Product Code**: PCT0803
- **Product Name**: Indole-3-acetic acid, Plant Culture Tested
- **Synonym**: IAA; Heteroauxine
- **Molecular Formula**: C_{10}H_{9}NO_{2}
- **Molecular Weight**: 175.19
- **CAS No.**: 87-51-4
- **EC No.**: 201-748-2
- **HS Code**: 2933 99 80
- **Other Information**: Plant growth regulator
- **Shelf Life**: 3 years

### Technical Specification

- **Appearance**: White to yellow to brown crystals or powder
- **Solubility**: 100 mg soluble in 1 mL of alcohol, sodium hydroxide
- **Cultural 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.
- **Melting Range**: 165 - 169°C
- **Assay (NaOH Titration/HPLC)**: 99.00 - 102.00 %

### Risk and Safety Information

- **S-Phrase(s)**: 22-24/25
- **WGK**: 3
- **RTECS**: NL3150000
- **Storage Temperature(°C)**: Store at 2 - 8°C

### Transport Information

- **Marine Pollutant**: No
- **ADR/RID**: Not Dangerous Goods
- **IMDG**: Not Dangerous Goods
- **IATA**: Not Dangerous Goods