

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

Product Number

Packing

PCT0803	: 100G
PCT0803	: 25G
PCT0803	: 5G

Product Information

Product Code	: PCT0803
Product Name	: Indole-3-acetic acid, Plant Culture Tested
Synonym	: IAA; Heteroauxine
Molecular Formula	: $C_{10}H_9NO_2$
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±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.
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