

PCT0201 D-Biotin, Plant Culture Tested

Product Number Packing

PCT0201	: 25G
PCT0201	: 10G
PCT0201	: 1G

Product Information

Product Code	: PCT0201
Product Name	: D-Biotin, Plant Culture Tested
Synonym	: Vitamin H; Coenzyme; Vitamin B7
Molecular Formula	: $C_{10}H_{16}N_2O_3S$
Molecular Weight	: 244.31
CAS No.	: 58-85-5
EC No.	: 200-399-3
HS Code	: 2936 29 00
Shelf Life	: 3 years

Technical Specification

Appearance	: White to off-white powder
Solubility	: 33.3 mg soluble in 1 mL of 2M Ammonium 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
Specific rotation [α 25/D]	: +89.0° to +93.0° (c = 2% in 0.1M sodium hydroxide)
FTIR (KBr disc)	: Matches with the standard pattern
Melting range	: 231 - 233°C
Assay (NaOH Titration/HPLC)	: 98.50 - 100.50 %

Risk and Safety Information

WGK	: 1
RTECS	: XJ9088200
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