

Technical Information

D-Biotin Plant Culture Tested

Product Code: PCT1201

Product Information

Product Code	: PCT1201
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

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)
Melting range	: 231 - 233°C
Minimum Assay (NaOH Titration/HPLC)	: 98.50 %

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

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
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- Do not use the products if it fails to meet specifications for identity and performance parameters.