

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 ₂ O ₃ S
Molecular Weight	:	244.31
CAS No.	:	58-85-5

Technical Specification

Appearance	:	White to off white crystalline powder.
Solubility	:	2% solution in 0.1 N NaOH is clear and colourless to almost colourless.
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 (Acidimetric)	:	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.
- Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing of diagnostic reagents extra.
- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.
- Do not use the products if it fails to meet specifications for identity and performance parameters.

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