Product Specification

cdhfinechemical.com

Technical Information

Calcium-D-Pantothenate Plant Culture Tested

Product Code: PCT1202

Product Information

Product Code	: PCT1202
Product Name	: Calcium-D-Pantothenate , Plant Culture Tested
Synonym	: D-Pantothenic acid hemicalcium salt
Molecular Formula	: $C_9H_{16}O_5N.^1/_2Ca$
Molecular Weight	: 238.27
CAS No.	: 137-08-6

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Technical Specification

Appearance	: White to off-white crystals or crystalline powder.
Solubility	: Soluble in water.
pH (5% solution at 25°C)	: 6.80 - 8.00
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
Specific rotation [α] $^{20}{}_{D}$	: +25.0 to +27.5°(c=5% in H_2O)
Melting range	: ~190°C
Loss on drying (at 105°C)	: <= 5%
Minimum assay (NT/HPLC, on dry basis)	: 98.00 %

Risk And Safety Information

WGK	: 1
RTECS	: RU4375000
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.
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