HIMEDIA

Product Information

PCT0202 Calcium-D-pantothenate

Product Number		Packing
PCT0202	:	100G
PCT0202	:	25G

Product Information

Product Code	:	PCT0202
Product Name	:	Calcium-D-pantothenate
Synonym	:	D-Pantothenic acid hemicalcium salt
Molecular Formula	:	$C_9H_{16}O_5N.{}^1/_2Ca$
Molecular Weight	:	238.27
CAS No.	:	137-08-6
EC No.	:	205-278-9
HS Code	:	2936 24 00
Shelf Life	:	3 years

Technical Specification

Appearance	:	White to off-white crystals or powder
Solubility	:	100 mg soluble in 1 mL of 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 H2O)
FTIR (KBr disc)	:	Matches with the standard pattern
Melting range	:	~190°C
Loss on drying (at 105°C)	:	<= 5%
Assay (NT/HPLC, on dry basis)	:	98.00 - 101.00 %

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

A-516, Swastik Disha Business Park, Via Vadhani Indl. Est., LBS Marg, Mumbai-400 086, India. Phone:+91-022-6147 1919
Fax:+91-022-6147 1920 Gram : STERILITY . email : info@himedialabs.com. Visit us at our website: www.himedialabs.com

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