

Technical Information

Calcium-D-Pantothenate Plant Culture Tested

Product Code: PCT1202

Product Information

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| Product Code | : PCT1202 |
| Product Name | : Calcium-D-Pantothenate , Plant Culture Tested |
| Synonym | : D-Pantothenic acid hemicalcium salt |
| Molecular Formula | : C ₉ H ₁₆ O ₅ N _{1/2} Ca |
| Molecular Weight | : 238.27 |
| CAS No. | : 137-08-6 |

Technical Specification

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| 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±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] ²⁰ _D | : +25.0 to +27.5°(c=5% in H ₂ O) |
| Melting range | : ~190°C |
| Loss on drying (at 105°C) | : <= 5% |
| Minimum assay (NT/HPLC, on dry basis) | : 98.00 % |

Risk And Safety Information

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|-------------------------|--------------------|
| WGK | : 1 |
| RTECS | : RU4375000 |
| Storage Temperature(°C) | : Store at 2 - 8°C |

Transport Information

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|------------------|-----------------------|
| 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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