

Technical Information

D-(+)-Mannose Plant Culture Tested

Product Code: PCT1605

Product Information

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|-------------------|---|
| Product Code | : PCT1605 |
| Product Name | : D-(+)-Mannose, Plant Culture Tested |
| Synonym | : D-Mannopyranose |
| Molecular Formula | : C ₆ H ₁₂ O ₆ |
| Molecular Weight | : 180.16 |
| CAS No. | : 3458-28-4 |

Technical Specification

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|-------------------------|---|
| Appearance | : White to off-white crystals or crystalline powder. |
| Solubility | : Soluble in water. |
| 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 | : +13.50° to +15.50° (c = 4% in water at 25°C) |
| Melting range | : 133 - 140°C |
| Minimum assay (HPLC/GC) | : 98.00% |

Risk And Safety Information

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|-------------------------|--------------------|
| WGK | : 3 |
| RTECS | : -- |
| Storage Temperature(°C) | : Store below 30°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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