

## Technical Information

### D-(+)-Mannose Plant Culture Tested

Product Code: PCT1605

#### Product Information

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

#### Technical Specification

Appearance	: White to off-white crystals or powder or solid.
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

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