

Technical Information

Dextrose Monohydrate Plant Culture Tested

Product Code: PCT1612

Product Information

Product Code	: PCT1612
Product Name	: Dextrose Monohydrate, Plant Culture Tested
Synonym	: D-(+)-Glucose monohydrate
Molecular Formula	: $C_6H_{12}O_6 \cdot H_2O$
Molecular Weight	: 198.17
CAS No.	: 14431-43-7

Technical Specification

Appearance	: White crystals or crystalline powder.
Solubility	: Soluble in water.
pH (10% in water at 25°C)	: 5.0 - 7.0
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 (c = 10% in H ₂ O, 3hrs.)	: +46 to +52°
Water (K.F.)	: 7.0 - 9.5%
Minimum assay (HPLC)	: 99.50 %

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.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
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- Do not use the products if it fails to meet specifications for identity and performance parameters.