

### 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	: 10% solution in water is clear and colourless.
pH (10% in water at 25°C)	: Min. 4.5
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 ( $\alpha$ ) <sup>20</sup> <sub>D</sub> (C=10 H <sub>2</sub> O on dried sub.)	: +52° to +53°
Water (K.F.)	: 7.0 - 9.5%
Minimum assay (GC)	: 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.
- Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing of diagnostic reagents extra.
- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.
- Do not use the products if it fails to meet specifications for identity and performance parameters.

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