

## Technical Information

### D(+)-Trehalose Dihydrate Plant Culture Tested

**Product Code: PCT1610**

#### Product Information

Product Code	: PCT1610
Product Name	: D(+)-Trehalose Dihydrate, Plant Culture Tested
Molecular Formula	: $C_{12}H_{22}O_{11} \cdot 2H_2O$
Molecular Weight	: 378.33
CAS No.	: 6138-23-4

#### Technical Specification

Appearance	: White to off-white crystals or 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 (c = 10% in water at 20°C)	: +197.0° to +201.0°
Melting range	: 97 - 99°C
Water (K.F.)	: 9.00 - 10.00%
Assay (GC/HPLC)	: 99%

#### Risk And Safety Information

WGK	: 2
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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