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	:	$C_{12}H_{22}O_{11}.2H_2O$
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±2ºC), 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 = 2% in water at 20°C)	:	+177 to +181°
Melting range	:	97 - 99°C
Water (K.F.)	:	9.00 - 10.00%
Minimum assay (GC/ HPLC)	:	99.00 %

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.
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- Do not use the products if it fails to meet specifications for identity and performance parameters.