

Technical Information

D-(+)-Maltose Monohydrate Plant Culture Tested

Product Code: PCT1613

Product Information

Product Code	: PCT1613
Product Name	: D-(+)-Maltose Monohydrate, Plant Culture Tested
Synonym	: Maltobiose
Molecular Formula	: $C_{12}H_{22}O_{11} \cdot H_2O$
Molecular Weight	: 360.31
CAS No	: 6363-53-7

Technical Specification

Appearance	: White to off-white solid or crystalline 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 (α^{20}_D) (c = 4% in H_2O +drop of NH_4OH)	: +128.0 to +132.0°
Melting range	: 119 - 139°C
Water (K.F.)	: 4.50 - 6.50%
Minimum assay (HPLC/GC)	: 99.00 %

Risk And Safety Information

WGK	: 1
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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