

Technical Information

D-(+)-Glucose Anhydrous Plant Culture Tested

Product Code: PCT1603

Product Information

Product Code	: PCT1603
Product Name	: D-(+)-Glucose Anhydrous, Plant Culture Tested
Molecular Formula	: $C_6H_{12}O_6$
Molecular Weight	: 180.16
CAS No.	: 50-99-7

Technical Specification

Appearance	: White crystals or crystalline powder or granules.
Solubility	: Soluble in water.
Clarity	: 10% w/v aqueous solution is clear and colourless
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	: +52.5° to +53.3° (c = 10% in water at 25°C)
Melting range	: 150 - 152°C
Chloride (Cl)	: ≤ 0.0125%
Sulfate (SO ₄)	: ≤ 0.02%
Water (K.F.)	: ≤ 1.0%
Minimum Assay (GC/HPLC)	: 99.50%

Risk And Safety Information

WGK	: 1
RTECS	: LZ6600000
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.