

Technical Information

D(+)-Trehalose Dihydrate

Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications

Product Code:TC1177M

Product Information

Product Code	: TC1177M
Product Name	: D(+)-Trehalose Dihydrate Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 Testing specifications
Synonym	: --
Molecular Formula	: $C_{12}H_{22}O_{11}.2H_2O$
Molecular Weight	: 378.33
CAS No.	: 6138-23-4

Technical Specification

Appearance	: White to almost white, crystalline powder.
Solubility	: Freely soluble in water, slightly soluble in methanol, practically insoluble in ethanol (96%)
Appearance of solution	: 10% solution in water is clear and colourless
Chlorides	: $\leq 0.0125\%$
Sulphates	: $\leq 0.02\%$
Sulphated ash	: $\leq 0.1\%$
Iron (Fe)	: $\leq 0.001\%$
Heavy Metals (Pb)	: $\leq 0.001\%$
Water	: 9.00 - 11.00%
pH (10% w/v sol at 25°C)	: 4.50 - 6.50
Specific rotation $[\alpha]_D^{20}$ (C=2, in water)	: $179 \pm 3^\circ$
Assay (GC/HPLC)	: 99%

Risk And Safety Information

WGK	: --
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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- 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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