

## 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 <sub>12</sub> H <sub>22</sub> O <sub>11</sub> .2H <sub>2</sub> O
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
pH (10% w/v sol at 25°C)	: 4.50 - 6.50
Chlorides	: ≤ 0.0125%
Nitrogen	: ≤ 0.005%
Soluble starch	: No blue colour develops
Residue on ignition	: ≤ 0.1%
Sulphates	: ≤ 0.02%
Sulphated ash	: ≤ 0.1%
Specific rotation (c = 10% in water at 20°C)	: +197.0° to +201.0°
Water	: 9.00 - 11.00%
Related substances	: ≤ 1.0%
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

**Animal Cell  
Culture Tested**



## Product Specification

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### 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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