

Technical Information

Sucrose Cell Culture Tested

Product Code: TC1648

Product Information

Product Code	: TC1648
Product Name	: Sucrose
Synonyms	: Source : Beetroot
Molecular Formula	: C ₁₂ H ₂₂ O ₁₁
Molecular Weight	: 342.30
CAS No.	: 57-50-1

Technical Specification

Appearance	: Colourless crystals / crystalline powder.
Solubility	: 1 M solution in water is clear and colourless.
Minimum assay (GC)	: 99.5%
Specific rotation $[\alpha]_D^{20}$ (C=26% in water)	: +65.5° to +67.5°
Loss on drying (at 100°C)	: <= 0.1%
Sulphated Ash	: <= 0.01%
Chloride (Cl)	: <= 0.0005%
Sulphate (SO ₄)	: <= 0.002%
Iron (Fe)	: <= 0.0001%
Heavy metals (pb)	: <= 0.0001%
Copper (Cu)	: <= 0.0001%
Reducing sugars (C ₆ H ₁₂ O ₆)	: <= 0.01%
Nitrogen Compounds (N)	: <= 0.002%
Suitability	: Passes test
Cell Culture Test	: Passes test

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.
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Replace Date 29-Jan-2026