

## 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)	: $\leq 0.1\%$
Sulphated Ash	: $\leq 0.01\%$
Chloride (Cl)	: $\leq 0.0005\%$
Sulphate ( $SO_4$ )	: $\leq 0.002\%$
Iron (Fe)	: $\leq 0.0001\%$
Heavy metals (pb)	: $\leq 0.0001\%$
Copper (Cu)	: $\leq 0.0001\%$
Reducing sugars ( $C_6H_{12}O_6$ )	: $\leq 0.01\%$
Nitrogen Compounds (N)	: $\leq 0.002\%$
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

**Animal Cell  
Culture Tested**



## Product Specification

[cdhfinechemical.com](http://cdhfinechemical.com)

### 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