

## SUCROSE FOR MOLECULAR BIOLOGY

**PRODUCT CODE** 987380

**SYNONYMS** --

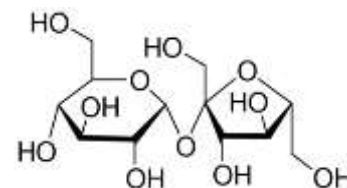
**C.I. NO.** --

**CASR NO.** (57-50-1)

**ATOMIC OR MOLECULAR FORMULA**  $C_{12}H_{22}O_{11}$

**ATOMIC OR MOLECULAR WEIGHT** 342.3

**PROPERTIES** Sweet taste ,odourless and combustible .



**PARAMETER** **LIMIT**

Description Colourless crystals / crystalline powder.

Solubility 1 M solution in water is clear and colourless.

Minimum Assay 99.5%

pH (of 1M soln. in water) 5.0 – 7.0

Specific Rotation  $[\alpha]_D^{20}$  (C=26% in water) +65.5° to +67.5°

Maximum Absorbance (1M in water)

at 260 nm 0.11

280 nm 0.08

### MAXIMUM LIMIT OF IMPURITIES

Loss on drying (at 100°C) 0.1%

Sulphated ash 0.01%

Chloride (Cl) 0.005%

Sulphate (SO<sub>4</sub>) 0.005%

Copper (Cu) 0.0005%

Iron (Fe) 0.0005%

Heavy metals (as Pb) 0.0005%

DNase, RNase, Protease & Phosphatases None detected.

Filter test Passes

**Note(s) : Assay (if applicable) method mentioned.**

#### WARNING

**Hazard statements :** Not hazardous. No hazards.

**Precautionary statements**

**Prevention:** -----

**Response:** ---

IMDG Code :

UN No. :

IATA :

**Disposal :** Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. This chemical can be disposed off as normal industrial waste.

**Hazard pictogram (s) :**

Replace date 19-Sep-2025