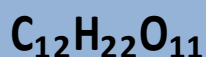




Product Specification

SUCROSE FOR MOLECULAR BIOLOGY

PRODUCT CODE	987380
SYNONYMS	--
C.I. NO.	--
CASR NO.	(57-50-1)
ATOMIC OR MOLECULAR FORMULA	C₁₂H₂₂O₁₁
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 ₄)	0.005%
Arsenic (As)	0.00001%
Aluminium (Al)	0.0005%
Bismuth (Bi)	0.0005%
Cadmium (Cd)	0.0005%
Calcium (Ca)	0.001%
Chromium (Cr)	0.0005%
Cobalt (Co)	0.0005%
Copper (Cu)	0.0005%
Iron (Fe)	0.0005%



Central Drug House (P) Ltd.

AN ISO 9001:2008 CERTIFIED COMPANY

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Heavy metals (as Pb)	0.0005%
Lithium (Li)	0.0005%
Magnesium (Mg)	0.0005%
Manganese (Mn)	0.0005%
Nickel (Ni)	0.0005%
Potassium (K)	0.005%
Sodium (Na)	0.005%
Strontium (Sr)	0.0005%
DNase,RNase,Protease & Phosphatases	None detected.
Filter test	Passes
Zinc (Zn)	0.0005%

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) :