

TC 023 – SUCROSE, (FOR TISSUE CULTURE & MOLECULAR BIOLOGY)

REF NO: TBL/QA/SS/LC/TC 023	STANDARD SPECIFICATION FOR SUCROSE, (FOR TISSUE CULTURE & MOLECULAR BIOLOGY)	Rev. No: 03
Issue No: 04		Review Date: 07/11/2024
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PRODUCT PROPERTIES

C.A.S Number	57-50-1
Chemical Formula	C ₁₂ H ₂₂ O ₁₁
Formula weight	342.30
Functional Uses	NA
Standard Packaging	500 gm. & 5 kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Colorless or white crystals. Sweet taste.
Solubility	Very soluble in water, freely soluble in alcohol.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (1M soln. at 25°C)	5.5 – 7.0
Chloride (Cl)	NMT – 0.005%
Sulphate (SO ₄)	NMT – 0.005%
Lead (Pb)	NMT – 0.0005%
DNase, RNase	None detected
Assay	NLT – 99.5%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

