

TMB 074 – SUCROSE

REF NO: TBL/QA/SS/LC/TMB 074	STANDARD SPECIFICATION FOR SUCROSE	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
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PRODUCT PROPERTIES

C.A.S Number	57-50-1
Chemical Formula	C ₁₂ H ₂₂ O ₁₁
Formula weight	342.3
Functional Uses	Sucrose is a widely used nutritional disaccharide of glucose and fructose. Sucrose is used in molecular biology for the preparation of density gradients.
Standard Packaging	500 gm. & 5 kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystals/crystalline powder.
Solubility	Soluble in water.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH(1% soln., at 25°C)	5.5 – 7.0
Specific Optical Rotation	+65.5° to +67.0°
Heavy metals	NMT – 10 ppm
DNases/ RNases	None Detected
Sulphate (as SO ₄)	NMT – 10 ppm

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

