

Quality Control Department			
Certificate of Analysis			
Material name	Sucrose IP (Pharma grade)		
Batch No:	0797	Mfg Date:	October-2023
Dispatch Qty:	300 Kgs	Exp Date:	24 Months
No. of Bags:	12 Bags	Batch Size:	100 Tons

SR. NO.	TESTS	RESULT	SPECIFICATION
1.	Description	An almost white or colourless crystals, dry crystalline powder, odourless, taste sweet	An almost white or colourless crystals, dry crystalline powder, odourless, taste sweet
2.	Solubility	Complies	Very soluble in water, slightly soluble in ethanol (96 per cent), practically insoluble in anhydrous ethanol
3.	Identification		
	By Chemical Test	Complies	An orange precipitate is formed, Immediately
4.	Acidity or Alkalinity	Solution is clear	Solution is colourless, NMT 0.6 mL of 0.01 M NaoH required to colour change.
5.	Conductivity	25 $\mu\text{s.cm}^{-1}$	NMT 35 $\mu\text{s.cm}^{-1}$ at 20°C
6.	Barium	Complies	Any opalescence is not more than reference
7.	Calcium	Complies	The solution remains clear for at least 1 min.
8.	Heavy metal	Complies	NMT 10 ppm
9.	Sulphites	Complies	A blue color develops
10.	Dextrin	Complies	The solution remains yellow or become faint bluish green.
11.	Specific Optical Rotation	+ 66.5°	+65.9° - 67.0°
12.	Glucose and invert sugar	Complies	The blue colour does not disappear completely
13.	Colouring matter	Complies	No unpleasant odour is detectable
14.	UV light at 365 nm	Complies	Any fluorescence is not more intense than reference solution.
15.	Sulphated Ash	0.02 %	NMT 0.1 %
16.	Loss on drying	0.05 %	NMT 0.1 %
17.	Particle size	100% Materials passes through #20	100% Should materials passing through #20
18.	Microbial limit test		
	Total aerobic microbial counts	< 10 cfu/g	NMT 1000 cfu/g
	Total Yeast & molds counts	< 10 cfu/g	NMT 100 cfu/g
	Escherichia Coli	Absent	Absent/g