

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-18 16:47:22
 Date of Next Testing: 2029-03-17 16:47:22
 Product Name: **Sucrose**
 CAS Number: 57-50-1
 Specifications & Purity: PharmPure™,JP,BP,Ph.Eur.,NF
 Lot #: GMC2616179
 SKU #: **S774719**
 Version: **1**
 Analysis #: **674994**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=26 in H ₂ O)	66.3-67.0 (°)	66.45700°
Conductivity(20°C)	0-35 (μS/cm)	5.05000 μS/cm
Colour	0-45	31.39500
Sulfite(as SO ₂)	0-10 (ppm)	3.30000 ppm
Residual solvents (ICH Q3C) class 3(Ethanol)	0-0.5 (%)	0.00000 %
Loss on drying(105°C)	0-0.1 (%)	0.02000 %
Endotoxins	0-0.25 (IU/mg OR I.U./mg)	0.05000 IU/mg OR I.U./mg
Chloride (Cl ⁻)	0-0.005 (%)	0.00125 %
Sulfate(SO ₄)	0-0.006 (%)	0.00313 %
Heavy metals	0-5 (ppm)	0.00000 ppm
Arsenic(As)	0-2 (ppm)	0.00000 ppm
Residue on Ignition	0-0.1 (%)	0.01000 %
Absorbance(260 nm; 50 %;1 cm; water)	0-0.07	0.00000
Absorbance(280 nm;50 %;1 cm; water)	0-0.05	0.00000
Colony count (aerobic bacteria (TAMC))	0-100 (CFU/g)	0.00000 cfu/g
Colony count (Yeasts and moulds (TYMC))	0-10 (cfu/g)	0.00000 cfu/g
Appearance(S774719)	White or almost white, crystalline powder, or crystals	White or almost white, crystalline powder, or crystals
Solubility: very soluble in water, slightly soluble in ethanol (96 per cent), practically insoluble in anhydrous ethanol		Pass
Identity (IR-spectrum)	conforms	Conforms
Identify(TLC)	Pass	Pass
Identity (EP)(C)	passes test	Passes test
Appearance of solution(50%;water)	Pass	Pass

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Parameter	Limit Values	Result
Dextrins	Passes test	Passes test
Reducing sugars	Passes test	Passes test
Residual solvents (ICH Q3C)(excluded by manufacturing process)	pass	Pass
Calcium (JP)	passes test	Passes test
Salmonella spp. absent in 10 g	Pass	Pass
E.coli absent in 1g	Pass	Pass
Staphylococcus aureus (absent in 1 g)	passes test	Passes test
Pseudomonas aeruginosa (absent in 1 g)	passes test	Passes test
Candida albicans (absent in 1 g)	passes test	Passes test
Bile tolerante gram negative bacteria absent in 1g	Pass	Pass
DNases(Exo-and endonucleases)	Pass	Pass
proteases	none detected	none detected
RNases	none detected	none detected

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager