

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-04-08 10:39:24
 Date of Next Testing: 2026-03-29 10:39:24
 Product Name: **Sucrose**
 CAS Number: 57-50-1
 Specifications & Purity: for molecular biology, $\geq 99.5\%$ (HPLC)
 Lot #: C2428041
 SKU #: **S112234**
Analysis: **058753**
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Iron(Fe)	0-5 (ppm)	0.00 ppm
Free acid	0-0.0008 (mg/g)	0.00 mg/g
Insoluble matter	0-0.005 (%)	0.00 %
Invert sugar	0-0.1 (%)	0.09 %
Purity(HPLC)	99.5-100 (%)	99.98900 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Sulfate(SO ₄ ²⁻)	0-50 (ppm)	21.32 ppm
Ignition Residue (as sulfate)	0-0.01 (%)	0.00 %
Loss on drying(105°C)	0-0.03 (%)	0.01 %
Melting point	160-187 (°C)	168.59000 °C
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	66.3-67 (°)	66.31°
Appearance (S112234)	White Powder or Crystals	White Powder or Crystals
DNase, RNase and Protease	None Detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager