

Certificate of Analysis

Date of Testing: 2024-05-20 19:13:52
Date of Next Testing: 2026-05-10 19:13:52
Product Name: **Sucrose**
CAS Number: 57-50-1
Specifications & Purity: for molecular biology, $\geq 99.5\%$ (HPLC)
Lot #: E2414227
SKU #: **S112234**
Version: **1**
Analysis #: **348257**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.01 (%)	0.00 %
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 (%)	0.02 %
Purity(HPLC)	99.5-100 (%)	99.50600 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Sulfate(SO ₄ ²⁻)	0-50 (ppm)	13.38 ppm
Loss on drying(105°C)	0-0.03 (%)	0.03 %
Melting point	160-187 (°C)	186.95000 °C
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	66.3-67 (°)	66.32 °
Appearance (S112234)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
DNase, RNase and Protease	None Detected	none detected



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager