

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-05-20 13:53:22
Date of Next Testing:	2026-05-10 13:53:22
Product Name:	<b>Sucrose</b>
CAS Number:	57-50-1
Specifications & Purity:	for molecular biology, ≥99.5%(HPLC)
Lot #:	E2414228
SKU #	<b>S112234</b>
Version	<b>1</b>
Analysis #:	<b>348257</b>
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(SO42-)	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] <sub>20</sub> /D(c=10 in H <sub>2</sub> 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



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

John Su  
QA & QC Manager