

Certificate of Analysis

Date of Testing:	2025-03-22 13:06:22
Date of Next Testing:	2027-03-12 13:06:22
Product Name:	Sucrose
CAS Number:	57-50-1
Specifications & Purity:	Moligand™, for molecular biology, ≥99.5%(HPLC)
Lot #:	C2513803
SKU #	S112234
Version	1
Analysis #:	474812
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 (%)	0.03 %
Purity(HPLC)	99.5-100 (%)	99.60300 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Sulfate(SO42-)	0-50 (ppm)	0.03 ppm
Melting point	160-187 (°C)	186.90000 °C
Loss on drying(105°C)	0-0.03 (%)	0.03 %
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	66.3-67 (°)	66.30°
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

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

John Su
QA & QC Manager