

Certificate of Analysis

Product Description: Sucrose, molecular biology reagent

Catalog Number: 194018

Lot: CD05025

Formula : C₁₂H₂₂O₁₁

CAS #: 57-50-1

Physical Description: White Crystalline Powder

Formula Weight: 342.3

Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Purity	≥99%	99.8%
UV/VIS (30% aq) OD260	≤0.1	0.1
Optical Rotation	+66.0°±5 (H ₂ O, NH ₄ OH)	+66.6°
Solubility (50% aq soln)	Clear and Colorless	Clear and Colorless
Chloride	≤0.005%	≤0.005%
Glucose	≤0.1%	≤0.1%
Heavy Metals (as Pb)	≤0.0005%	≤0.0005%
Sulfate	≤0.005%	≤0.005%
Iron	≤0.0005%	≤0.0005%
RNase	Negative	Negative
DNase	Negative	Negative

Recommended Retest Date (MM/DD/YYYY): 05/14/2026



05/26/2023 - Lily Liu
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QM

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