

## Certificate of Analysis

Date of Testing: 2022-02-08 16:16:35  
Date of Next Testing: 2026-02-07 16:16:35  
Product Name: **Sucrose**  
CAS Number: 57-50-1  
Specifications & Purity: for cell and insect cell culture, ≥99.5%  
Lot #: A2219068  
SKU #: **S112236**  
Analysis: **059841**

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-0.0005 (%)	0.00%
UV Absorbance 260nm	0-0.15	0.05
UV Absorbance 280nm	0-0.15	0.11
Purity(HPLC)	99.5-100 (%)	99.59100%
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	66.3-67 (°)	66.35°
Appearance (S112236)	White powder to crystal	White powder to crystal
Cell Culture Test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Insect cell culture test	pass	Pass
Solubility in H <sub>2</sub> O, soluble 50 mg/mL, clear, colorless λ, 100% solution	pass Pass	Pass Pass



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QA & QC Manager