

Certificate of Analysis

Date of Testing:	2022-06-21 15:47:24
Date of Next Testing:	2026-06-20 15:47:24
Product Name:	D-(+)-Glucose
CAS Number:	50-99-7
Specifications & Purity:	Ultra pure, ≥99.5%
Lot #:	F2218355
SKU #	G116306
Analysis:	095604
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Strontium(Sr)	0-0.0005 (%)	0.00 %
(Pb)Lead	0-0.0005 (%)	0.00 %
Chloride Content	0-0.005 (%)	0.00 %
Loss on drying	0-0.1 (%)	0.04 %
Bismuth(Bi)	0-0.0005 (%)	0.00 %
Aluminum(Al)	0-0.0005 (%)	0.00 %
Barium(Ba)	0-0.0005 (%)	0.00 %
Purity(HPLC)	99.5-100 (%)	99.89800 %
Sulfate(SO42-)	0-0.005 (%)	0.00 %
Cobalt(Co)	0-0.0005 (%)	0.00 %
(As)Arsenic	0-0.0001 (%)	0.00 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.02 %
Cadmium(Cd)	0-0.0005 (%)	0.00 %
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O:NH ₃ (2+3) = 99.2:0.8)	50-54 (°)	50.14°
Appearance (G116306)	white powder	White powder
Filtration test	corresponds to standard	corresponds to standard
Infrared spectrum	Conforms to Structure	Conforms to Structure
Insoluble matter	pass	Pass
Solubility 1 M in H ₂ O	Colorless, Clear	Colorless, Clear



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager