

## Certificate of Analysis

Date of Testing:	2024-04-24 09:10:00
Date of Next Testing:	2028-04-23 09:10:00
Product Name:	<b>D-(+)-Glucose</b>
CAS Number:	50-99-7
Specifications & Purity:	Ultra pure, ≥99.5%
Lot #:	D2418327
SKU #	<b>G116306</b>
<b>Analysis:</b>	<b>327339</b>
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 %
Aluminum(Al)	0-0.0005 (%)	0.00 %
Barium(Ba)	0-0.0005 (%)	0.00 %
Purity(HPLC)	99.5-100 (%)	99.65600 %
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 (%)	0.00 %
Cadmium(Cd)	0-0.0005 (%)	0.00 %
Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O:NH <sub>3</sub> (2+3) = 99.2:0.8)	50-54 (°)	50.02°
Loss on drying	0-0.3 (%)	0.22 %
Bismuth(Bi)	0-0.0005 (%)	0.00 %
Appearance (G116306)	white powder	White powder
Insoluble matter	pass	Pass
Solubility 1 M in H <sub>2</sub> O	Colorless, Clear	Colorless, Clear
Filtration test	corresponds to standard	corresponds to standard
Infrared spectrum	Conforms to Structure	Conforms to Structure



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

John Su  
QA & QC Manager