

## Certificate of Analysis

Date of Testing: 2022-11-08 18:00:36  
 Date of Next Testing: 2026-11-07 18:00:36  
 Product Name: **D-(+)-Glucose**  
 CAS Number: 50-99-7  
 Specifications & Purity: Ultra pure, ≥99.5%  
 Lot #: J2228556  
 SKU #: **G116306**  
**Analysis:** **135281**  
 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 %
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 (°)	50.17 °
Aluminum(Al)	0-0.0005 (%)	0.00 %
Barium(Ba)	0-0.0005 (%)	0.00 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	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 %
Bismuth(Bi)	0-0.0005 (%)	0.00 %
Purity(HPLC)	99.5-100 (%)	99.51000 %
Appearance (G116306)	white powder	White powder
Filtration test	corresponds to standard	corresponds to standard
Insoluble matter	pass	Pass
Solubility 1 M in H <sub>2</sub> O	Colorless, Clear	Colorless, Clear
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