

Certificate of Analysis

Date of Testing: 2023-12-14 09:27:34
 Date of Next Testing: 2027-12-13 09:27:34
 Product Name: **D-(+)-Glucose**
 CAS Number: 50-99-7
 Specifications & Purity: Ultra pure, ≥99.5%
 Lot #: L2307659
 SKU #: **G116306**
Analysis: **296568**
 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 %
Bismuth(Bi)	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 (°)	51.30°
Aluminum(Al)	0-0.0005 (%)	0.00 %
Barium(Ba)	0-0.0005 (%)	0.00 %
Purity(HPLC)	99.5-100 (%)	99.57500 %
Sulfate(SO ₄ ²⁻)	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 %
Loss on drying	0-0.1 (%)	0.09 %
Insoluble matter	pass	Pass
Solubility 1 M in H ₂ O	Colorless, Clear	Colorless, Clear
Appearance (G116306)	white powder	White powder
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