

Certificate of Analysis

Date of Testing: 2023-12-27 09:42:15
 Date of Next Testing: 2027-12-26 09:42:15
 Product Name: **D-(+)-Glucose**
 CAS Number: 50-99-7
 Specifications & Purity: Ultra pure, ≥99.5%
 Lot #: L2326140
 SKU #: **G116306**
Analysis: **304560**
 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 (%)	0.07 %
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 (°)	51.65°
Aluminum(Al)	0-0.0005 (%)	0.00 %
Barium(Ba)	0-0.0005 (%)	0.00 %
Purity(HPLC)	99.5-100 (%)	99.59600 %
Sulfate(SO ₄ ²⁻)	0-0.005 (%)	0.00 %
Cobalt(Co)	0-0.0005 (%)	0.00 %
(As)Arsenic	0-0.0001 (%)	0.00 %
Cadmium(Cd)	0-0.0005 (%)	0.00 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.06 %
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



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager