

Certificate of Analysis

Date of Testing: 2025-02-05 15:30:38

Date of Next Testing: 2029-02-04 15:30:38

Product Name: **D-(+)-Glucose**

CAS Number: 50-99-7

Specifications & Purity: Moligand™, Ultra pure, ≥99.5%

Lot #: A2515450

SKU #: **G116306**

Version: **2**

Analysis #: **444962**

Storage Temperature: Room 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 (°)	52.05 °
Aluminum(Al)	0-0.0005 (%)	0.00 %
Barium(Ba)	0-0.0005 (%)	0.00 %
Purity(HPLC)	99.5-100 (%)	99.80900 %
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 (%)	0.00 %
Loss on drying	0-0.1 (%)	0.01 %
Appearance (G116306)	white powder	White powder
Insoluble matter	pass	Pass
Solubility 1 M in H ₂ O	Colorless, Clear	Colorless, Clear
Infrared spectrum	Conforms to Structure	Conforms to Structure
Filtration test	corresponds to standard	corresponds to standard



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager