

Certificate of Analysis

Date of Testing: 2025-05-26 17:01:37

Date of Next Testing: 2029-05-25 17:01:37

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

CAS Number: 50-99-7

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

Lot #: E2523323

SKU #: **G116306**

Version: **2**

Analysis #: **512066**

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 %
Loss on drying	0-0.3 (%)	0.04 %
Bismuth(Bi)	0-0.0005 (%)	0.00 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in } H_2O:NH_3(2+3) = 99.2:0.8)$	50-54 (°)	50.52 °
Aluminum(Al)	0-0.0005 (%)	0.00 %
Barium(Ba)	0-0.0005 (%)	0.00 %
Purity(HPLC)	99.5-100 (%)	99.52200 %
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 %
Appearance (G116306)	white powder	White powder
Insoluble matter	pass	Pass
Solubility 1 M in H ₂ 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