

Certificate of Analysis

Date of Testing: 2026-09-29 16:52:45

Date of Next Testing: 2030-09-28 16:52:45

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

CAS Number: 50-99-7

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

Lot #: I2624630

SKU #: **G116306**

Version: **2**

Analysis #: **732127**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Strontium(Sr)	0-0.0005 (%)	0.00000 %
(Pb)Lead	0-0.0005 (%)	0.00000 %
Chloride Content	0-0.005 (%)	0.00000 %
Loss on drying	0-0.3 (%)	0.10860 %
Bismuth(Bi)	0-0.0005 (%)	0.00000 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in } H_2O:NH_3(2+3) = 99.2:0.8)$	50-54 (°)	53.01900 °
Aluminum(Al)	0-0.0005 (%)	0.00000 %
Barium(Ba)	0-0.0005 (%)	0.00000 %
Purity(HPLC)	99.5-100 (%)	99.90600 %
Sulfate(SO42-)	0-0.005 (%)	0.00000 %
Cobalt(Co)	0-0.0005 (%)	0.00000 %
(As)Arsenic	0-0.0001 (%)	0.00000 %
Cadmium(Cd)	0-0.0005 (%)	0.00000 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.10000 %
Appearance (G116306)	white powder	White powder
Insoluble matter	pass	Pass
Solubility1 M in H2O	Colorless,Clear	Colorless,Clear
Filtration test	corresponds to standard	corresponds to standard
Infrared spectrum	Conforms to Structure	Conforms to Structure

John Su

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QA & QC Manager