

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2026-07-30 17:15:49

Date of Next Testing: 2029-07-29 17:15:49

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

CAS Number: 14431-43-7

Specifications & Purity: USP, pharmaceutical grade

Lot #: G2628328

SKU #: **S52907**

Version: **0**

Analysis #: **749805**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Chloride (Cl-)	0-0.01 (%)	0.00000 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.00000 %
Loss on drying	7.5-9.5 (%)	7.91500 %
Heavy metal (as Pb)	0-5 (ppm)	0.00000 ppm
Acidity	0-0.3	0.10500
(As)Arsenic	0-1 (ppm)	0.00000 ppm
Sulfate(SO42-)	0-0.025 (%)	0.00000 %
Purity(HPLC area)	98-100 (%)	99.80700 %
Specific Rotation [α] ₂₅ /D(c=10 in H ₂ O)(dry basis)	52.6-53.2 (°)	53.18000 °
Dextrin	Pass	Pass
Identification	pass	Pass
Residual solvents	complies	complies
Soluble Starch, Sulfites	Pass	Pass
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O,clear colorless, mg/ml in water	pass	Pass
Appearance(S52907)	White Powder or Crystals	White Powder or Crystals

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Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zou

