

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2026-06-18 17:27:20

Date of Next Testing: 2030-06-17 17:27:20

Product Name: **D-Fructose**

CAS Number: 57-48-7

Specifications & Purity: USP, BP, Ph.Eur.

Lot #: F2611002

SKU #: **V34571**

Version: **0**

Analysis #: **729535**

Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
(As)Arsenic	0-1 (ppm)	0.00 ppm
Loss on drying	0-0.5 (%)	0.30 %
Calcium and magnesium(Ca+Mg)	0-0.005 (%)	0.00 %
Sulfate(SO42-)	0-0.025 (%)	0.00 %
Ignition Residue (as sulfate)	0-0.5 (%)	0.30 %
Assay	98-102 (%)	99.07 %
Chloride	0-0.018 (%)	0.00 %
Acidity	0-0.5	0.23
Heavy metal (as Pb)	0-5 (ppm)	3.10 ppm
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$	-94--90(°)	-90.03 °
Identification	pass	Pass
Residual solvents	complies	complies
USP Limit Test(hydroxymethylfurfural)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (solution)	passes test	Passes test

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