

Certificate of Analysis

Date of Testing: 2022-09-12 17:06:50
 Date of Next Testing: 2026-09-11 17:06:50
 Product Name: **D-Fructose**
 CAS Number: 57-48-7
 Specifications & Purity: Ph. Eur.,BP,USP
 Lot #: I2208942
 SKU #: **F108334**
Analysis: 102346
 Storage 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 [α] ₂₀ /D(c=10 in H ₂ O)	-94--90(°)	-90.03°
Appearance (solution)	passes test	Passes test
Identification	pass	Pass
Residual solvents	complies	complies
USP Limit Test(hydroxymethylfurfural)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager