

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-05-10 19:26:12

Date of Next Testing: 2026-05-09 19:26:12

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

CAS Number: 3615-56-3

Specifications & Purity: $\geq 98\%$

Lot #: E2203194

SKU #: **D115379**

Version: **1**

Analysis #: **079978**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.05900 %
Melting point	157-165 (°C)	164.99000 °C
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	36-40 (°)	36.01000 °
Appearance (D115379)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless to faint yellow, clear (50 mg/mL, H ₂ O)	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager