

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-17 16:04:05

Date of Next Testing: 2027-11-16 16:04:05

Product Name: **L-(-)-Sorbitose**

CAS Number: 87-79-6

Specifications & Purity: $\geq 98\%$

Lot #: K2308162

SKU #: **S111850**

Version: **0**

Analysis #: **163444**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.66700 %
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$	-44--42 (°)	-43.86200 °
Loss on drying	0-1 (%)	0.50000 %
Ignition Residue (as sulfate)	0-0.5 (%)	0.23000 %
Melting point	155-165 (°C)	164.90000 °C
Appearance (S111850)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , soluble	0.1 g/mL, clear, colorless to faintly yellow pass	Pass



John Su
QA & QC Manager