

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2025-12-03 17:09:33
Date of Next Testing:	2028-12-02 17:09:33
Product Name:	<b>D-Sorbitol</b>
CAS Number:	50-70-4
Specifications & Purity:	UltraBio™, ≥99%(HPLC)
Lot #:	L2501051
SKU #	<b>D755727</b>
Version	<b>1</b>
<b>Analysis #:</b>	<b>563327</b>
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Purity(HPLC area)	99-100 (%)	99.67 %
Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O)	-1.8~-1.2 (°)	-1.79°
Loss on drying	0-0.5 (%)	0.00 %
Sulphated ash	0-0.1 (%)	0.00000 %
Aluminum(Al)	0-5 (ppm)	0.00 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Calcium(Ca)	0-10 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Chromium(Cr)	0-5 (ppm)	0.00 ppm
Copper(Cu)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-50 (ppm)	0.00 ppm
Lithium(Li)	0-5 (ppm)	0.00 ppm
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Manganese(Mn)	0-5 (ppm)	0.00 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-50 (ppm)	0.00 ppm
Nickel(Ni)	0-5 (ppm)	0.00 ppm
Lead(Pb)	0-5 (ppm)	0.00 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
Zinc(Zn)	0-5 (ppm)	0.00 ppm
Arsenic(As)(MHS-AAS)	0-0.1 (ppm)	0.00000 ppm
Total sulfur as SO <sub>4</sub> (ICP)	0-50 (ppm)	0.00 ppm

## ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Parameter	Limit Values	Result
Chloride (Cl-)	0-50 (ppm)	0.00 ppm
PH(25°C,1M in Water)	5-7	5.80
UV Absorbance 260nm(at 1M in H2O)	≤0.04	0.02
UV Absorbance 280nm(at 1M in H2O)	≤0.045	0.01
Appearance(D755727)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility(Clear Colorless,5.46 g in 30 ml H2O)	Confirmed	Confirmed

John Su  
QA & QC Manager