

Certificate of Analysis

Date of Testing: 2025-08-22 17:57:51

Date of Next Testing: 2028-08-21 17:57:51

Product Name: **D-Sorbitol**

CAS Number: 50-70-4

Specifications & Purity: UltraBio™, ≥99%(HPLC)

Lot #: H2519018

SKU #: **D755727**

Version: **1**

Analysis #: **563677**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC area)	99-100 (%)	99.67%
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	-1.8~-1.2 (°)	-1.79°
Loss on drying	0-0.5 (%)	0.00%
Sulphated ash	0-0.1 (%)	0.00230%
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)	2.00 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 ₄ (ICP)	0-50 (ppm)	0.00 ppm

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Parameter	Limit Values	Result
Chloride (Cl-)	0-50 (ppm)	0.00 ppm
PH(25°C,1M in Water)	5-7	6.01
UV Absorbance 260nm(at 1M in H2O)	≤0.04	0.01
UV Absorbance 280nm(at 1M in H2O)	≤0.045	0.00
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

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager