

Certificate of Analysis

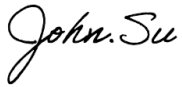
Date of Testing:	2025-08-21 18:04:46
Date of Next Testing:	2029-08-20 18:04:46
Product Name:	D-Sorbitol
CAS Number:	50-70-4
Specifications & Purity:	Ultra pure, ≥99.5%(HPLC)
Lot #:	H2519016
SKU #	S104837
Version	1
Analysis #:	563221
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Barium(Ba)	0-5 (ppm)	0.00 ppm
Aluminum(Al)	0-5 (ppm)	0.00 ppm
Manganese(Mn)	0-5	1.00
(Pb)Lead	0-5 (ppm)	0.00 ppm
Chromium(Cr)	0-5 (ppm)	0.00 ppm
Sulfate(SO42-)	0-50 (ppm)	10.31 ppm
PH	5-7	6.01
Calcium(Ca)	0-10 (ppm)	1.00 ppm
Potassium(K)	0-50 (ppm)	20.15 ppm
Lithium(Li)	0-5 (ppm)	0.10 ppm
Cadmium(Cd)	0-5 (ppm)	2.10 ppm
(As)Arsenic	0-0.1 (ppm)	0.03 ppm
Magnesium(Mg)	0-5 (ppm)	4.10 ppm
Purity(HPLC)	99.5-100 (%)	99.67000 %
Cobalt(Co)	0-5 (ppm)	0.82 ppm
Ignition Residue (as sulfate)	0-0.1 (%)	0.00 %
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	-1.8--1.2 (°)	-1.79 °
Strontium(Sr)	0-5 (ppm)	1.66 ppm
Copper(Cu)	0-5 (ppm)	3.00 ppm
Loss on drying	0-0.5 (%)	0.00 %
Molybdenum(Mo)	0-5 (ppm)	2.75 ppm
Bismuth(Bi)	0-5 (ppm)	4.01 ppm
Zinc(Zn)	0-5 (ppm)	0.10 ppm
Nickel(Ni)	0-5 (ppm)	1.57 ppm
Iron(Fe)	0-5 (ppm)	3.01 ppm

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Parameter	Limit Values	Result
Chloride (Cl-)	0-50 (ppm)	0.00 ppm
Sodium(Na)	0-50 (ppm)	6.00 ppm
Appearance (S104837)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , soluble , 1M , 20°C, clear, colorless	pass	Pass

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

John Su
QA & QC Manager