

## Specification Sheet

Product Name: **D-Sorbitol**  
 Specifications & Purity: Ultra pure ,  $\geq 99.5\%$  (HPLC)  
 SKU # **S104837**

Parameter	Limit Values
Barium(Ba)	0-5 (ppm)
Aluminum(Al)	0-5 (ppm)
Manganese(Mn)	0-5
(Pb)Lead	0-5 (ppm)
Chrome(Cr)	0-5 (ppm)
Sulfate(SO42-)	0-50 (ppm)
pH	5-7
Calcium(Ca)	0-10 (ppm)
Potassium(K)	0-50 (ppm)
UV Absorbance 280nm	0-0.045
Lithium(Li)	0-5 (ppm)
Cadmium(Cd)	0-5 (ppm)
(As)Arsenic	0-0.1 (ppm)
Magnesium (Mg)	0-5 (ppm)
Purity(HPLC)	99.5-100 (%)
Cobalt (Co)	0-5 (ppm)
Ignition Residue (as sulfate)	0-0.1 (%)
Specific Rotation $[\alpha]_{20}^D(c=10 \text{ in H}_2\text{O})$	-1.8--1.2 (°)
Strontium(Sr)	0-5 (ppm)
Copper(Cu)	0-5 (ppm)
Loss on drying	0-0.5 (%)
UV Absorbance 260nm	0-0.04
Molybdenum(Mo)	0-5 (ppm)
Bismuth(Bi)	0-5 (ppm)
Melting point	98-100 (°C)
Zinc(Zn)	0-5 (ppm)
Nickel(Ni)	0-5 (ppm)
Iron(Fe)	0-5 (ppm)
Chloride (Cl-)	0-50 (ppm)
Sodium(Na)	0-50 (ppm)
Appearance (S104837)	White Powder or Crystals
Infrared spectrum	Conforms to Structure

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<b>Parameter</b>	<b>Limit Values</b>
Insoluble matter	pass
Solubility in H <sub>2</sub> O , soluble , 1M , 20°C, clear, colorless	pass
sweetness(sucrose)	0.6x
$\lambda$ ,1 M in H <sub>2</sub> O	Pass