

SPECIFICATION SHEET

Sorbitol Powder DC Grade

GENERAL INFORMATION

Production Method	Catalytic hydrogenation of glucose	Synonym	D-Glucitol, DC grade
Country of Origin	China	Carrier Used	None
Solvent Used	Water	Kosher Halal	No No

ITEM	SPECIFICATION		METHOD
PHYSICAL & CHEMICAL			
Identification	Meets the requirement		FCC VIII / USP
Appearance	White crystals		Organoleptic
Assay (Sorbitol)	91.0% – 100.5%		FCC VIII / USP
Particle Size	40–80 mesh		USP<786>
Total Sugar	NMT (%)	0.5	FCC VIII
Water	NMT (%)	1.5	FCC VIII
Reducing Sugar	NMT (%)	0.3	FCC VIII
pH (50% solution)	3.5 – 7.0		FCC VIII
Residue on Ignition	NMT (%)	0.1	USP<281>
CONTAMINANTS			
Lead (Pb)	NMT (mg/kg)	1.0	ICP-MS FCC
Nickel (Ni)	NMT (mg/kg)	1.0	ICP-MS FCC
Arsenic (As)	NMT (mg/kg)	1.0	ICP-MS FCC
Heavy metals (as Pb)	NMT (mg/kg)	5.0	FCC
Chloride	NMT (mg/kg)	50	FCC
Sulphate	NMT (mg/kg)	50	FCC
Pesticide Residue	Not Applicable (non-botanical)		—
MICROBIOLOGICAL			
Total Plate Count	NMT (cfu/g)	1,000	USP<61>
E. Coli	Negative in 1 g		USP<62>

PACKING & STORAGE

Packed in paper drums, net weight 25 kg.

Store in a well-closed container away from moisture, light, and heat.

SHELF LIFE

36 months if under the conditions above and in its original packaging.

NOTE

Direct-compression (DC) grade D-sorbitol manufactured to FCC VIII / USP standards. Assay range 91.0–100.5% as specified by FCC VIII.