



SORBITOL

Non Crystallizing 70% grade	
Chemical Name	D-Sorbitol
Category	Food additives, raw material of VC
Molecular formula	C ₆ H ₁₄ O ₆
Molecular wt.	182.17
H.S. Code	2905440000
CAS No.	50-70-4
Appearance	Colourless syrupy liquid
Dry Substance by wt%	70.0 min
Water content by wt%	30.0 max
Refractive index	1.4575 min
pH in 50% DS aqua sol.	5.0 – 7.5
Specific gravity by g/ml	1.290 min
D-Sorbitol by wt%	71 – 83
D-Manitol by wt%	8.0 max
Resistivity by μ s/cm	10 max
Reducing sugars by wt%	0.15 max
Total sugars by wt%	6 – 8
Nickel by mg/kg	1.0 max
Iron by mg/kg	1.0 max
Chloride by mg/kg	10 max
Sulphate by mg/kg	20 max
Heavy metals as Pb by mg/kg	1.0 max
Arsenic as As ₂ O ₃ by mg/kg	1.0 max
Sulphated ash by wt%	0.1 max
Non-crystalization	No crystal at -18°C in 24 hours
Total Aerobic Plate count by cfu/ml	100 max
Fungus by cfu/ml	10 max