Technical Data Sheet

Item Name:

SORBITOL

PRODUCT INFORMATION

Chinese Name:	山梨醇
Commodity Name:	SORBITOL
Chemical Name:	Sorbitol Liquid 70%
Other Name:	Sorbol, D-Glucitol, D-Sorbitol
CAS No.:	50-70-4
Molecular Weight:	182.172
Molecular Formula:	$C_6H_{14}O_6$

TECHNICAL SPECIFICATION

Index	Crystallizable	Non-Crystallizable
Appearance	Colorless and transparent viscous liquid, possesses the sweet taste.	
Water %	≤ 31	≤ 31
pH (50% water solution)	5.0-7.0	5.0-7.0
Specific optical rotation (20°C), °	≤ 5.50	-
Sorbitol content, %	≥ 97.0	71.0-83.0
Reducing sugar, %	≤ 0.15	≤ 0.15
Total sugar, %	≤ 0.6	5.0-10.0
Density, g/ml	≥ 1.285	≥ 1.285
Refraction index, (20°C)	≥ 1.4550	≥ 1.4550
Residue by burning, %	-	≤ 0.1
Chloride, mg/kg	≤ 10	≤ 5
Sulfate, mg/kg	≤ 50	≤ 5
Heavy metal, mg/kg	≤ 1.0	≤ 1.0
Fe, mg/kg	-	≤ 2.0
Arsenic, mg/kg	≤ 1.0	≤ 1.0
Nickel, mg/kg	≤ 1.0	≤ 1.0
Color	Lighter than standard color	0.0005 max
Total plate count, cfu/ml	-	≤ 100
Mold, cfu/ml	-	≤ 10
Freeze and crystal	-	-18°C, 48h, not to crystal

PACKING, LOADING AND SHELF LIFE

Packing: 275kgs/plastics drum
Loading: 275kgs plastics drum without pallet, 22mts per 20'fcl
Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

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