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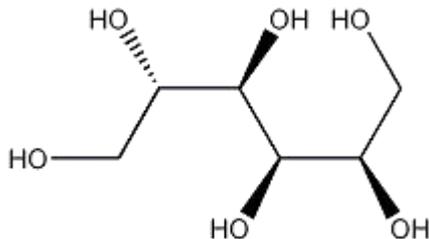
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Technical Data Sheet

Sorbitol

Product Information

Chemical Name	Sorbitol
CAS #	50-70-4
Formula	C6H14O6
EINECS	200-061-5
Synonym	Clucitol; D-galactitol; D-Glucitol; D-Sorbit; D-Sorbitol; Glucitol; Gullitol; L-gulitol; Sorbite;
Chemical Structure	



Physical Properties

Molecular Weight: 182.17
Density: 1.48
Boiling Point: 494.9°C at 760 mmHg
Melting Point: 95-99°C
Flash Point: 292.5°C
Alpha: 4 ° (per eur. pharm.)
Storage Temperature: Store at RT.
Refractive index: 1.597

Specification

Items	Specifications	
	Solid	Liquid
Smell	No smell and tasteless	

Color	White	Colorless
Characters	Crystalline powder	Clear, syrupy liquid
Solids content	No visible impurities	73.3
Sorbitol (%)	99.4	71.8
Moisture	0.36	26.7
Total sugar (%)	0.20	0.26
Reducing sugars (%)	0.09	0.06
Specific rotation	-----	4.8
Refractive index (20°C)	-----	1.4654
Density (20°C)	-----	1.310
Ash content (%)	≤0.1	<0.1-
Heavy metal (%)	<0.0005	<1.0 mg/kg
Nickel (%)	<0.0002	<1.0 mg/kg
Sulfate (%)	<0.0005	<20 mg/kg
Iron (mg/kg)	-----	<1.0
Chloride (%)	<0.001	
Arsenic (As) (%)	<0.0002	
Total count of bacterium (cfu/g)	<100	
Coli group (MPN/g)	<1	

Safety

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on safety

Applications

Sweetener:

Sorbitol is a sugar substitute often used in diet foods (including diet drinks and ice cream) and sugar-free
 Chewing gum, mints and cough syrups

pharmaceutical industry:

As the excipient for processing Vitamin C, injection, humectant and stabilizing agent.

chemical industry:

humectant for toothpaste, with moisturizing protection and cool, comfortable, and delicious sweet taste, anti
 dry reagent for cosmetic, surface active agent

Packaging

250kg drum.

20mt per 20ft container

Storage & Handling

Sorbitol can be stored at room temperature (max.25°C) in the unopened original containers for at least 3 years. The storage temperature should be kept below 25 25°C

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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