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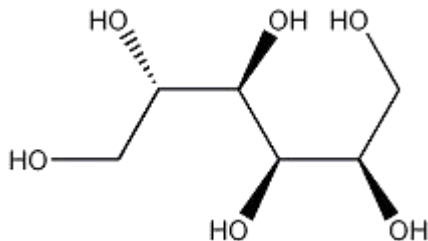
Hefei TNJ Chemical Industry Co.,Ltd.
B910-911 Xincheng Business Center,
Qianshan Rd. Hefei 230022 China
Tel : (0086) 551 65418678
Fax: (0086) 551 65418697
Email: info@tnjchem.com
Site: www.tnjchem.com

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; Gulitol; 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.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.

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