

Sorbitol Solution

CAS No.	EINECS No.	UN No.	Molecular Formula / Product Type
50-70-4	200-061-5	Not assigned in stated reference	C ₆ H ₁₄ O ₆ ; 182.17 g/mol (component)

Product Description

Aqueous polyol syrup with ≥70% total dry substance. D-sorbitol is 71–83% of dry substance, not of the complete liquid. Formula and molecular weight refer to the sorbitol component.

Specifications

Parameter	Specification
Appearance	Clear, colorless syrupy liquid
Dry substance	≥70 %
Water	≤30 %
D-sorbitol, dry-substance basis	71–83 %
D-mannitol, dry-substance basis	≤8 %
Refractive index at 20°C	≥1.4575
Density at 20°C	≥1.290 g/mL
Reducing sugars	≤0.15 %
Total sugars	6–8 %
Nickel / iron	≤1 each mg/kg
Chloride	≤10 mg/kg
Sulfate	≤20 mg/kg
Lead	≤1 mg/kg
Arsenic, as As ₂ O ₃	≤1 mg/kg
Sulfated ash	≤0.10 %
Non-crystallization, –18°C for 48 h	Passes

Applications

- Humectant systems
- Qualified food formulations
- Aqueous formulation development

Packaging and Storage

Packaging	250–270 kg plastic drums or 1,600 kg IBCs; confirm net weight and selected format.
Storage	Keep tightly closed in a cool, ventilated place protected from sunlight and excessive heat. Use compatible containers and prevent contamination.

Safety and Regulatory

Read the corresponding reference SDS before handling. Use the qualified grade and agreed specification; destination-market and end-use requirements apply.

Company Contact

Hainan Zhongxin Chemical Co., Ltd.

Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China.

Tel: +86-21-54265599 | sales@zxchem.com.cn | www.zxchem.com

The information is provided in good faith for professional evaluation. Specifications apply to the stated commercial grade; users must confirm suitability, regulatory compliance and safe handling for their intended application.