

三氯蔗糖粉末

Powder Sucralose

1. Basic information

Product name: Sucralose	Chemical name: 1,6-Dichloro-1,6-dideoxy- β -D-fructofuranosyl-4-chloro-4-deoxy-D-galactopyranoside
Formula: C ₁₂ H ₁₉ Cl ₃ O ₈	Molecular weight: 397.63 g/mol
CAS No.: 56038-13-2	E Number: E955

2. Product description

Sucralose is white to off-white crystalline granular. It is soluble in water, methanol and alcohol, and is slightly soluble in ethyl acetate. Sucralose is a kind of nutritional sweetener and flavor enhancer, which has a sweetness of 600 times sugar. Since sucralose does not contain energy, it is suitable for people with diabetes. Jinhe's sucralose, which is certified by Kosher and Halal, also applies to Jewish and Muslim personnel.

3. Product specifications

Test Item		Specification	Test method or Reference
Identification	Infrared Absorption (FCC、USP-NF、EP、JECFA、EU231/2012)	Meets Requirements	GB、FCC、USP-NF、JECFA、EP、EU231/2012
	Solubility (JECFA、EU231/2012)		
	HPLC(GB、FCC、USP-NF)		
	TLC(GB、FCC、USP-NF、JECFA)		
	Specific Optical Rotation (EP、EU231/2012)		
Appearance	White crystalline powder	GB、FCC、USP-NF、JECFA、EP、EU231/2012	
Assay(on anhydrous basis)	98.0 ~102.0%	GB、FCC、USP-NF、EP、EU231/2012	
Water	≤2.0%	GB、FCC、USP-NF、JECFA、EP、EU231/2012	
Optical (Specific) Rotation (α _D ²⁰)	+84.0°~+87.5°	GB、FCC、USP-NF、JECFA、EP、EU231/2012	
Residue on Ignition(Sulphated Ash)	≤0.7%	GB、FCC、USP-NF、JECFA、EP、EU231/2012	
Hydrolysis Products (GB、FCC、USP-NF) Impurities H and I(EP) Chlorinated Monosaccharides (JECFA、EU231/2012)	≤0.1%	GB、FCC、USP-NF、JECFA、EP、EU231/2012	

Related Substances (GB、FCC、USP-NF、EP) Other Chlorinated Disaccharide(JECFA、EU231/2012)	≤0.5%	GB、FCC、USP-NF、JECFA、EP、EU231/2012
Triphenylphosphine Oxide(JECFA、EU231/2012)	≤150mg/kg	JECFA、EU231/2012
Methanol	≤0.1%	GB、FCC、USP-NF、JECFA、EU231/2012
Heavy Metals (as Pb)	≤10 mg/kg	GB 5009.74
Arsenic	≤1 mg/kg	GB 5009.76
Mercury	≤0.1 mg/kg	GB 5009.17
Cadmium	≤1 mg/kg	GB 5009.15
Lead	≤1 mg/kg	GB 5009.75
Particle Size	Through 60 mesh ≥90%	Internal method
Total Aerobic Plate Count	≤250 CFU/g	GB 4789.2
Coliforms	< 3 MPN/g	GB 4789.3
Yeast Count	≤50 CFU/g	GB 4789.15
Mold Count	≤50 CFU/g	GB 4789.15
Escherichia Coli	Negative/25g	GB 4789.6
Staphylococcus aureus	Negative/25g	GB 4789.10
Shigella	Negative/25g	GB 4789.5
Salmonella	Negative/25g	GB 4789.4

Note: CFU=Colony Forming Units
 MPN=Most Probable Number
 GB=National Standard Method
 EP=European Pharmacopeia
 USP-NF = United States Pharmacopeia–National Formulary
 JECFA = Joint FAO/WHO Expert Committee on Food Additives.

Jinhe Sucralose complies with GB, EP, USP, FCC, JECFA, JP, EU231 / 2012 and other standards.

4. Packaging

1kg small package: Composite color bags, 10 bags or 25 bags packaging cardboard boxes;

25kg/10kg large package: Two polyethylene bags, cardboard boxes installed;

10kg package: Each 720kg placed on a heat-treated wooden pallet;

25kg package: Each 1000kg placed on a heat-treated wooden pallet.

5. Storage

Sealed, stored in a cool, dry place, avoid long-term storage under high temperature.

6. Shelf life

According to storage requirements for storage, shelf life of 2 years from the date of production.