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# 三氯蔗糖粉末
# Powder Sucralose

## 1. Basic information

Product name：Sucralose

Chemical name：1,6-Dichloro-1,6–dideoxy–b-D-fructofuranosyl-4-chloro-4-deoxy-D-galactopyranoside

Formula：$C_{12}H_{19}Cl_3O_8$

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 $(\alpha)_D^{20}$ | | +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)<br>Impurities H and I(EP)<br>Chlorinated Monosaccharides (JECFA、EU231/2012) | | ≤0.1% | GB、FCC、USP-NF、JECFA、EP、EU231/2012 |

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| | | |
|---|---|---|
| Related Substances 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 |
| PH | 5.0-8.0 | |
| Methanol | ≤0.1% | GB、FCC、USP-NF、JECFA、EU231/2012 |
| Heavy Metals (as Pb) | ≤10 mg/kg | GB |
| Arsenic | ≤3 mg/kg | GB |
| Lead | ≤1 mg/kg | GB |
| Particle Size | Through 60 mesh ≥90% | Internal method |
| Total Aerobic Plate Count | ≤250 CFU/g | GB |
| Coliforms | < 3 MPN/g | GB |
| Yeast Count | ≤50 CFU/g | GB |
| Mold Count | ≤50 CFU/g | GB |
| Escherichia Coli | Negative/25g | GB |
| Staphylococcus aureus | Negative/25g | GB |
| Shigella | Negative/25g | GB |
| Salmonella | Negative/25g | GB |

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.