



# SUNVISION SWEET CO., LTD.

Chemical Park Area, Dongdu Town, Xintai City, Shandong P.R. China

## SPECIFICATION OF SUCRALOSE

DATE: January,21, 2019

### 1, PRODUCT DESCRIPTON

**Product Name:** Sucralose

**Synonyms:** Trichlorosucrose, Trichlorogalactosucrose, TGS

**Definition:**

**Chemical name:**

1,6-Dichloro-1, 6-dideoxy- $\beta$ -D-fructofuranosyl-4-chloro-4-deoxy- $\alpha$ -D-galactopyranoside

**C.A.S. number:** 56038-13-2

**Chemical formula:** C<sub>12</sub>H<sub>19</sub>Cl<sub>3</sub>O<sub>8</sub>

**Molecular weight:** 397.64

**Description:** White to off-white, crystalline powder

**Functional Use:** Nonnutritive sweetener; flavor enhancer

### 2, CERTIFICATE STATUS

ISO9001, ISO22000, ISO14001; KOSHER; HALAL; BRC

### 3, PRODUCT SPECIFICATION

Conforms to FCC/USP/NF/EP/EC(E955)/GB25531-2010 International and national standards.

ITEMS	SPECIFICATION	TEST METHODS
(A) Identify (IR)	The spectrum of the sample exhibits the same as that of the reference	FCC/USP/NF/EP/EC(E955)/BP
(B) Identify (HPLC)	The retention time of the sample is the same as that of the standard.	FCC/USP/NF
(C) Identity (TLC)	The R <sub>f</sub> value of the sample is the same as that of the standard.	FCC/USP/NF/EC(E955)
Assay	98.0% - 102.0%	FCC/USP/NF/EP/EC(E955)/BP
Specific Rotation	+84.0~+87.5°	FCC/USP/NF/EP/EC(E955)/BP
Heavy Metals (as Pb)	≤10mg/Kg	USP/NF/EP/BP
Lead	≤1mg/Kg	FCC/ EC(E955)
Arsenic	≤ 3mg/kg	GB/T5009.76-2003 Method II
Residue on Ignition (Sulphated Ash)	≤0.7%	FCC/USP/NF/EP/EC(E955)/BP
Related Substances (Oher Chlorinated Disaccharides)	0.0~ 0.5%	FCC/USP/NF/EP/EC(E955)/BP



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Hydrolysis Products (Chlorinated monosaccharides)	≤0.1%	FCC/USP/NF/EP/EC(E955)/BP
Triphenylphosphine oxide	≤150mg/kg	FCC/USP/NF/EP/EC(E955)/BP
Methanol	≤0.1%	FCC/USP/NF/EP/EC(E955)/BP
Water	≤2.0%	FCC/USP/NF/EP/EC(E955)/BP
Organoleptic	Conform	GB25531-2010
PH	5.0~8.0	
Particle Size	≥90% through 60 mesh (Fine Granular) ≥90% through 100 mesh (Powder)	
<b>MICROBIOLOGICAL TEST</b>		
Total Aerobic Count	≤ 250cfu/g	GB 4789.2-2010
Molds and Yeasts	≤ 50cfu/g	GB 4789.15-2010
E. Coli	Negative	GB 4789.38-2012
Coliforms	Negative	GB 4789.3-2010
S.aureus	Negative	GB 4789.10-2010
Salmonella	Negative	GB 4789.4-2010

## 4, STORAGE AND SHELF LIFE

Storage: Stored in airtight containers and in cool & dry place.

Shelf Life: Three years when properly stored.

## 5, PACKING AND EXPORT

10kg&25kg/paper drum

CAS Number: 56038-13-2

HS Code: 29321400

## 6. SAFETY MEASUREMENTS

See Material Safety Data Sheet.

