



SUNVISION SWEET CO., LTD.

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

SPECIFICATION OF SUCRALOSE

1, PRODUCT DESCRIPTION

Product Name: Sucralose

Synonyms: Trichlorosucrose, Trichlorogalactosucrose, TGS

Definition:

Chemical name:

1,6-Dichloro-1, 6-dideoxy- -D-fructofuranosyl-4-chloro-4-deoxy- α -D-galactopyranoside

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

Chemical formula: $C_{12}H_{19}Cl_3O_8$

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 (Being processed); 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 _f 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
pH	6.0~7.0	
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 (Other Chlorinated Disaccharides)	0.0~ 0.5%	FCC/USP/NF/EP/EC(E955)/BP



SUNVISION SWEET CO., LTD.

Sunvision

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

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
Particle Size	90% through 60 mesh	
MICROBIOLOGICAL TEST		
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: 2932190090

6. SAFETY MEASUREMENTS

See Material Safety Data Sheet.

