

## TECHNICAL DATA SHEET

# Sucralose

## FCCVI & USP32

### Chemical Properties

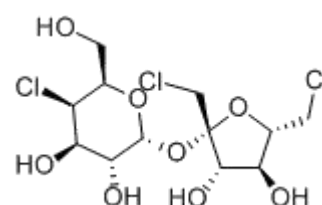
Chemical Name: 1',6'-Dichloro-1',6'-dideoxy- $\beta$ -D-fructofuranosyl-4-chloro-4-deoxy- $\alpha$ -D-galactopyranoside

Synonym: TGS; 4,1'6'-Trichlorogalactosucrose; Trichlorogalactosucrose

CAS NO: 56038-13-2

Molecular Formula: C<sub>12</sub>H<sub>19</sub>Cl<sub>3</sub>O<sub>8</sub>

Formula weight: 397.64



### Description

Sucralose is extremely soluble in water, ethanol and methanol, and is the only functional sweeteners that use sucrose as raw material in the production currently. Sucralose is 600 times sweeter than sugar and it is easily soluble in water.

### Solubility

It is soluble in water.

### Specification

Item	Specification	Test Method
Appearance	White crystalline powder (micronized powder)	Visual
Odor	Characteristic	Organoleptic
Taste	Characteristic	Organoleptic
Identification A	Infrared spectra of standard and sample should meet each other	
Identification B	The difference of retention time Sucralose peak from sample and standard within 2%	
Identification C	The RF Value of the major spot in the thin-layer chromatogram of the sample solution is the same as that of the standard solution obtained in the test for Related substances(below)	FCCVI&USP32
Assay	98.0%-102.0%	FCCVI&USP32
1200 mesh pass rate	Report only	
Specific rotation	+84.0° - +87.5°	FCCVI&USP32
Moisture	Max 2.0%	FCCVI&USP32
Ignited Residue	Max 0.7%	FCCVI&USP32
Related substances	Max 0.5%	FCCVI&USP32
Hydrolysis products	Max 0.1%	FCCVI&USP32
Methanol	Max 0.1%	FCCVI&USP32
Heavy metals(Pb)	Max 10ppm	FCCVI&USP32

Lead	Max 1.0ppm	FCCVI&USP32
Arsenic	Max 3.0ppm	FCCVI&USP32
Total Plate Count	Max 250cfu/g	FCCVI&USP32
Yeasts & Molds	Max 50cfu/g	FCCVI&USP32
Coliforms	Max 10cfu/g	FCCVI&USP32
<i>E. Coli</i>	Negative	FCCVI&USP32
<i>S. aureus</i>	Negative	FCCVI&USP32
<i>Salmonella</i>	Negative/25g	FCCVI&USP32

## Ingredients

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Sucralose 98.0%~102.0%

## Labeling

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In the United States and the European Union: Sucralose

## Applications

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Sucralose is approved for use in beverages, pickles class, compound condiment, wine, ice cream, cakes, biscuits, bread and many other areas in China.

## Safety

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This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

## Handling recommendations

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This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information. During transportation, it should prevent violent vibration, and keep moisture-proof, waterproof and sunlight-proof. It should be stored in a well-closed container away from moisture and direct sunlight.

## Packaging, Storage & Shelf Life

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Package	25kg/drum; or according to customers' requirements.
Storage	Store in a cool and dry place and kept in the sealed container, avoiding strong and direct light and moisture.
Shelf life	2 years if sealed and stored properly.