

Sucralose Powder

DESCRIPTION

Sucralose is a white to off white crystalline powder. It is freely soluble in water, methanol, and alcohol. It is slightly soluble in ethyl acetate. It functions as a nonnutritive sweetener/ flavor enhancer. Sucralose has a clean, sweet taste that is approximately 600 times sweeter than sugar.

Formula: $C_{12}H_{19}Cl_3O_8$

CAS: 56038-13-2

Molecular Weight: 397.64

E Number: E951

EINECS Number: 245-261-3

Flashpoint: Not Applicable

SUGGESTED USES

Baking, Carbonated Soft Drinks, Powdered Soft Drinks, Juices, Ice Cream, Yogurts

Test Item	Specification	Test Method / Reference
Identification a. HPLC b. Infrared Absorption, c. Thin Layer Chromatography	Meets Requirements	Current FCC, USP/NF
Assay (on anhydrous basis)	98.0% to 102.0%	Current FCC, USP/NF
Water	≤ 2.0%	Current FCC, USP/NF
Methanol	≤ 0.1%	Current FCC, USP/NF
Residue on Ignition / Sulphated Ash	≤ 0.7%	Current FCC, USP/NF
Optical (Specific) Rotation	+84.0° to +87.5°	Current FCC, USP/NF
Related Substances (Compounds) ^[1]	≤ 0.5%	Current FCC, USP/NF
Hydrolysis Products ^[2]	≤ 0.1%	Current FCC, USP/NF
Triphenylphosphine Oxide	≤ 150 ppm	Current JECFA
Heavy Metals (as Pb)	≤ 10 ppm	Current FCC
Arsenic	≤ 3 ppm	Current FCC
Lead	≤ 1 ppm	Current FCC
Total Aerobic Plate Count	≤ 250 CFU/g	GB
Yeast and Mold Count	≤ 50 CFU/g	GB
Coliforms	≤ 3.0 MPN/g	GB
Escherichia Coli	Negative/g	GB
Salmonella	Negative/25g	GB
Particle Size	Through 60 Mesh ≥90%	Internal Method

^[1] also known as other chlorinated disaccharides in JECFA

^[2] also known as chlorinated monosaccharides in JECFA

FCC = Food Chemical Codex

JECFA = Joint FAO/WHO Expert Committee on Food Additives

CFU = Colony Forming Units

GB= China National Standard Method

USP/NF - United States Pharmacopeia-National Formulary

MPN = Most Probable Number



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CONFORMITY WITH

FAO-WHO Specifications
Food Chemicals Codex
US Pharmacopoeia
This material is Kosher Pareve and Halal Certified

PACKAGING

25-kg cardboard drums with two PE liner bags or as otherwise agreed upon.

SHIPPING & HANDLING

Transport under cool, dry conditions, in well closed containers.

STORAGE

Sucralose should be stored in well closed containers in a cool, dry environment.

SHELF LIFE

The shelf life of this material is 2 years from the date of manufacture if stored in recommended conditions.

LOT CODE EXPLANATION

Example Lot: 202101001
2021 = Year of Manufactured: 2021
01 = Month Manufactured: January
001 = Batch No. #01

NUTRITIONAL DATA

Nutrient	Per 100 grams
Calorie (kcal)	0
Water (g)	<0.2
Protein (g)	0
Total Fats (g)	0
Saturated	0
Mono-unsaturated	0
Poly-unsaturated	0
Trans Fats	0
Vitamins(mg)	0
Total Carbohydrates (g)	0
Total Sugars (g)	0
Dietary Fiber (g)	0
Cholesterol (mg)	0
Calcium (mg)	0
Iron (mg)	0
Niacin (mg)	0
Phosphorus (mg)	0
Potassium (g)	0
Riboflavin(mg)	0
Sodium (mg)	0
Protein (g)	0
Thiamin (mg)	0
Ash	<0.7
Added Sugars (g)	0

This data is calculated from standard analytical data. The zero values are based on process knowledge and raw materials used.
Sucralose is chemically pure and contains no additives, preservatives or colors.

