

# Sucralose Powder

**FORMULA:**  $C_{12}H_{19}Cl_3O_8$

**MOLECULAR WEIGHT:** 397.65

**FLASHPOINT:** Not Applicable

**CAS:** 56038-13-2

## DESCRIPTION:

Sucralose is white to off white, crystalline powder. It is freely soluble in water, methanol, and alcohol. It is slight 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. This material is Kosher, Parve, and Halal Certified.

## SUGGESTED USES/APPLICATIONS:

Tabletops, Tablets, Pharmaceutical, Powdered Drink Mixes, Baking Carbonated Soft Drinks, Yogurts, Ice Cream

**SPECIFICATIONS:** CFU= Colony Forming Units    FCC=Food Chemical Codex    EP= European Pharmacopeia

GB/T=National Standard Method    USP/NF= United States Pharmacopeia– National Formulary

Test Item	Specification	Test method or Reference
Identification A. Solubility, B. Infrared absorption, C. Thin Layer Chromatography	Meets the requirement	Current FCC, JECFA, EP
Assay (on anhydrous basis)	98.0% to 102%	Current FCC, USP/NF, JECFA, EP
Hydrolysis Products, Chlorinated Monosaccharides	≤0.1%	Current USP/NF, FCC, JECFA, EP
Lead	≤ 1 ppm	Current FCC, JECFA, EP
Methanol	≤0.1%	Current FCC, USP/NF, JECFA, EP
Optical (Specific) Rotation	+84.0° to +87.5°	Current FCC, USP/NF, JECFA, EP
Related Substances, Other Chlorinated Disaccharide	≤ 0.5%	Current FCC, USP/NF, JECFA, EP
Residue on Ignition	≤ 0.7%	Current FCC, USP/NF, JECFA, EP
Water	≤ 2.0%	Current FCC, USP/NF, JECFA, EP
Heavy Metals (as Pb)	≤ 10 ppm	Current USP/NF
Arsenic	≤ 3 ppm	Current FCC
Residual Solvents	Meets Requirements	Current USP/NF
Particle Size	≤ 20% Retained on 100	Internal Method
Total Aerobic Plate Count	≤ 250 CFU /g	GB/T
Yeast and Mold Count	≤ 100 CFU/g	GB/T
Coliforms	≤ 10 CFU/g	GB/T

Escherichia Coli	Negative	GB/T
Salmonella	Negative	GB/T
Triphenylphosphine Oxide	≤ 150 ppm	Current JEFCA, EP

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Meets the requirements set forth in the current FCC, USP/NF, JECFA and EP.

## PACKAGING:

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

## SHIPPING & HANDLING:

Transport under cool, dry conditions as defined by the USP/NF. The maximum temperature should never exceed 35°C over a 48 hour period.

## STORAGE:

Sucralose should be stored in a controlled room environment as defined in the USP/NF.

## SHELF LIFE:

The shelf life of this material is 2 years from the date of manufacture if stored in a controlled room environment as defined by the USP/NF.

## LOT CODING:

Example Lot: 070475

07= Year Manufactured: 2007

04= Month Manufacture: April

75= Batch manufactured: #75