

Niutang Sucralose: Powder

FORMULA: C₁₂H₁₉Cl₃O₈

MOLECULAR WEIGHT: 397.64

CAS: 56038-13-2

E NUMBER: E955

EINECS NUMBER: 259-952-2

FLASHPOINT: Not Applicable

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. Niutang Sucralose has a clean, sweet taste that is approximately 600 times sweeter than sugar. This material is Kosher, Pareve and Halal Certified.

SUGGESTED USES/APPLICATIONS:

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

SPECIFICATIONS:

Test Item	Specification	Test method or Reference
Identification Solubility (JECFA) Infrared Absorption(FCC/USP-NF/JECFA/EP) TLC(FCC/USP-NF/JECFA) HPLC(FCC/USP-NF) Specific Optical Rotation(EP)	Meets Requirements	Current FCC/USP-NF/JECFA/ EP
Assay (on anhydrous basis)	98.0% to 102.0%	Current FCC/USP-NF/JECFA/EP
Water	≤ 2.0%	Current FCC/USP-NF/JECFA/EP
Lead	≤ 1 ppm	Current FCC/JECFA
Methanol	≤ 0.1%	Current FCC/USP-NF/JECFA
Residue on Ignition / Sulphated Ash	≤ 0.7%	Current FCC / USP-NF / JECFA / EP
Optical (Specific) Rotation (on anhydrous basis)	+84.0° to +87.5°	Current FCC/USP-NF/JECFA/EP
Related Substances(EP,FCC) Related Compounds(USP-NF) Other Chlorinated Disaccharide(JECFA)	≤ 0.5%	Current FCC/USP-NF/JECFA/EP
Hydrolysis Products(USP-NF,FCC) Impurities H and I(EP) Chlorinated Monosaccharides(JECFA)	≤ 0.1%	Current USP-NF/FCC/JECFA/EP
Heavy Metals (as Pb)	≤ 10 ppm	Current USP-NF/EP
Residual Solvents	Meets Requirements	Current USP-NF
Particle Size	≤ 20% Retained on 100 mesh	Internal Method
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
Triphenylphosphine Oxide	≤ 150 ppm	JECFA

CFU = Colony Forming Units
EP = European Pharmacopeia
JECFA = Joint FAO/WHO Expert Committee on Food Additives.

FCC = Food Chemical Codex
USP-NF = United States Pharmacopeia–National Formulary

GB = National Standard Method
MPN = Most Probable Number

Niutang Sucralose: Powder

CONFORMITY WITH: FAO-WHO Specifications
 Food Chemicals Codex
 European Commission Regulation No. 231/2012
 Japanese Standards for Food Additives
 US Pharmacopoeia
 European Pharmacopeia

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 a cool, dry environment.

LOT CODING:
 Example Lot: S1305117P

13 = Year Manufactured: 2013 S = Sucralose
 05 = Month Manufacture: May P = Powder
 117 = Batch manufactured: 117

NUTRITIONAL DATA:
 Niutang Sucralose is chemically pure and contains no additives, preservatives or colors.

Nutrient	Per 100 grams
Water (g)	<0.2
Protein (g)	0
Fat (g)	0
Saturated	0
Monounsaturated	0
Polyunsaturated	0
Ash (g)	<0.7
Calorie (kcal)	0
Carbohydrates (g)	0
Sugar (g)	0
Dietary Fiber (g)	0
Cholesterol (mg)	0
Calcium (mg)	0
Iron (mg)	0
Niacin (mg)	0
Phosphorus (mg)	0
Potassium (mg)	0
Riboflavin (mg)	0
Sodium (mg)	0
Thiamin (mg)	0

This data is calculated from standard analytical data. The zero values are based on process knowledge and raw materials used.