

Calcium Saccharin

DESCRIPTION

Calcium Saccharin is a white odorless sweet powder that exhibits excellent synergistic properties when blended with other high intensity sweeteners. It is also commercially available in Sodium and Acid forms. Calcium Saccharin is freely soluble in water and is approximately 300-500 times sweeter than sucrose.

Formula: $C_{14}H_8CaN_2O_6S_2$
CAS:6485-34-3
E Number: E954

Molecular Weight: 404.42
Flashpoint: Not Applicable

SUGGESTED USES

Beverages, Table-Top Sweeteners, Baked Goods, Cereals, Confections, Dairy

Test Item	Specification	Test Method / Reference
Identification	Positive	EP
Appearance	White Crystal Powder	Internal
Odor	Characteristic	Internal
Taste	Sweet	Internal
Purity (on dry basis)	99.0-101.0%	USP/NF
Water	≤ 15.0%	USP/NF
Appearance of Solution	Clear and Colorless	EP
Clarity and Color of Solution	Complies	USP/NF
Melting Point	>300° F	USP/NF
Acidity or Alkalinity	Complies	USP/NF
Benzoate or Salicylate	Complies	USP/NF
Arsenic	≤ 3 ppm	E954
Selenium	≤ 30 ppm	E954
Lead	≤ 1 ppm	E954
Readily Carbonized Substances	Absent	USP/NF
P-Toluene Sulfonamide	≤ 10 ppm	USP/NF
O-Toluene Sulfonamide	≤ 10 ppm	USP/NF
Benzoic P-Sulfonamide	< 25 ppm	E954
Total Aerobic Plate Count	≤ 250 CFU/g	GB
Yeast and Mold Count	≤ 100 CFU/g	GB
Coliforms	Negative	GB

CFU = Colony Forming Units
JP = Japanese Pharmacopeia
FCC = Food Chemical Codex

EP = European Pharmacopeia
USP/NF - United States Pharmacopeia-
National Formulary

GB= China National Standard Method
JECFA = Joint FAO/WHO Expert
Committee on Food Additives

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PACKAGING

25kg cardboard drum with two PE liner bags.

SHIPPING & HANDLING

Recommended to be shipped in an odor-free environment. Low humidity conditions are recommended to minimize caking/degradation potentials.

STORAGE

Store in a well-closed place with constant low temperature and no direct sun light.

SHELF LIFE

The shelf life of this material is 5 years from the date of manufacture if stored in recommended environment. Product should be reevaluated if it exceeds expiration date.

LOT CODE EXPLANATION

Example: 16083001
16 = Year (2016)
08 = Month (Aug)
30 = Day (30th day of month)
01 = Batch (1st batch)

NUTRITIONAL DATA

Nutrient	Per 100 grams
Calories(kcal)	0
Total Fats(g)	0
Cholesterol(mg)	0
Sodium (mg)	0
Carbohydrates(g)	0
Dietary Fiber(g)	0
Total Sugars (g)	0
Added Sugar(g)	0
Protein(g)	0
Moisture(g)	6
Ash(g)	0
Vitamins-IU	0
Calcium(g)	9
Iron(mg)	0
Potassium(mg)	0

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

Sodium Saccharin is chemically pure and contains no additives, preservatives or color.

