

Acesulfame Potassium Powder

DESCRIPTION

Acesulfame Potassium is a white, odorless, freely flowing powder having an intense sweet taste. A 3% solution is approximately 200 times sweeter than sucrose. It is freely soluble in water and slightly soluble in ethanol.

Formula: C₄H₄KNO₄S

CAS: 55589-62-3

Molecular Weight: 201.24

E Number: E950

EINECS Number: 259-715-3

Flashpoint: Not Applicable

SUGGESTED USES

Carbonated Soft Drinks, Juices, Chewing gums, Hard Candy, Ice Cream, Yogurt, Puddings

Test Item	Specification	Test Method / Reference
Identification	Meet the requirements	Current FCC, USP/NF, JECFA
Assay (on anhydrous basis)	99.0 % - 101.0 %	Current FCC, USP/NF, JECFA
Loss on Drying(105 °C ,2h)	≤ 1.0 %	Current FCC, JECFA
Organic Impurities	≤ 20 mg/kg	Current FCC, USP/NF, JECFA
Impurity A	≤ 0.125 %	Current EP
Impurity B	≤ 20 mg/kg	Current EP
Acidity or Alkalinity	Passes Test	Current EP, USP/NF
pH (1 of 100 Solution)	5.5 - 7.5	Current FCC
Potassium	17.0% -21.0%	Internal
Heavy Metal (as Pb)	≤ 5 ppm	Current FCC
Lead	≤ 1 ppm	Current FCC, JECFA
Arsenic	≤3 ppm	Current FCC
Mercury	≤ 1 ppm	Current FCC
Fluoride	≤ 3 ppm	Current FCC, USP/NF, JECFA
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	30-100 Mesh	Internal

Impurity A: (acetyl acetamide)

Impurity B:(5-chloro-6-methyl-1,2,3-oxathiazin-4(3H)-one 2,2-dioxide.)

FCC = Food Chemical Codex

EP = European Pharmacopeia

GB= China National Standard Method

JECFA = Joint FAO/WHO Expert Committee on Food Additives

USP/NF - United States Pharmacopeia-National Formulary

CFU = Colony Forming Units

MPN = Most Probable Number



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CONFORMITY WITH

FAO-WHO Specifications
Food Chemicals Codex
European Commission Regulation No. 231/2012
US Pharmacopoeia
This material is Kosher Pareve and Halal Certified

PACKAGING

25 kg net weight fiber drums with inner liner or as otherwise agreed upon.

SHIPPING & HANDLING

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

STORAGE

Store in well closed containers in a cool dry environment.

SHELF LIFE

The shelf life of this material is 5 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. #001

NUTRITIONAL DATA

Nutrient	Per 100 grams
Calorie (kcal)	0
Water (g)	<1.0
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)	19.6
Riboflavin (mg)	0
Sodium (mg)	0
Protein (g)	0
Thiamin (mg)	0

This data is calculated from standard analytical data.

The zero values are based on process knowledge and raw materials used.

Acesulfame Potassium is chemically pure and contains no additives, preservatives or colors

