

Acesulfame Potassium (Acesulfame K)

High-intensity sweetener for selected food, beverage and dry-blend formulations.

CAS No. 55589-62-3	EC / List No. 259-715-3	Transport Non-dangerous goods
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Product Information

High-intensity sweetener for selected food, beverage and dry-blend formulations.

Specifications

Parameter	Specification
Appearance	White crystalline powder
Solubility in Water	Freely Soluble
Solubility in Ethanol	Slightly Soluble
Ultraviolet Absorption	227±2nm
Test for Potassium	Positive
Precipitation Test	Yellow Precipitate
Assay Content	99.0□101.0%
Loss On Drying(105□,2h)	≤ 1%
Organic Impurities	≤ 20µg/g
Impurity A	≤ 0.125%
Impurity B	≤ 20 mg/kg
Fluoride	≤3 mg/kg
Potassium	17.0-21%
Heavy Metals	≤ 5 mg/kg
Arsenic	≤ 3 mg/kg
Mercury	≤ 1 mg/kg
Lead	≤ 1 mg/kg
Selenium	≤ 10 mg/kg
Sulfate	≤ 0.1 %
PH (1in 100 Solution)	5.5-7.5
Total Plate Count	≤ 10 cfu/g
Coliforms-MPN	≤ 1 MPN/g
Yeast and Moulds	≤ 100 cfu/g
E.Coli	Negative
Salmonella	Negative
Particle Size	30-100mesh

Grade-specific supply limits; the agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	C4H4KNO4S
Molecular weight	201.24 g/mol

Applications

Beverage sweetening systems: High-intensity sweetener for permitted beverage applications.

Confectionery and food formulations: Ingredient for selected confectionery and other food development.

Powdered mixes and dry blends: Sweetening ingredient for qualified dry mixes.

Packaging / Storage

Item	Information
Packing	25 kg bags
Storage	Store tightly closed in a cool, dry, well-ventilated place. Protect from moisture, excessive heat, direct sunlight and incompatible chemicals.
Shelf life	Two years in intact original packaging stored cool and dry.
Handling	Provide effective ventilation during powder transfer. Wear suitable protective gloves, safety goggles and work clothing. Avoid airborne dust, ingestion and unnecessary skin or eye contact.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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