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Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418678

Fax: (0086) 551 65418697

Email: info@tnjchem.com

Site: www.tnjchem.com

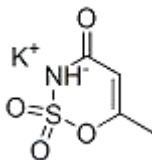
Technical Data Sheet

Acesulfame-K

Product Information

Chemical Name	Acesulfame-K
CAS #	55589-62-3
Formula	C ₄ H ₄ KNO ₄ S
Synonyms	ACESULFAME POTASSIUM

Chemical Structure



Physical Properties

Colorless to white crystalline powder; odorless, with a strong sweetness, sweetness is about 150 times the sucrose, the flavor properties and saccharin similar. High concentrations of bitterness. And sugar alcohols, sucrose, etc. have a good mix, and stability. Melting point of about 225 °C, the maximum absorption spectrum of 227nm, density 1.83g / cm³ (loose density 1.1 ~ 1.3kg / dm³). Non-hygroscopic, stable at room temperature. Soluble in water (30g / 100ml, 20 °C), slightly soluble in ethanol and other organic solvents.

Specification

Appearance	White crystalline powder
Assay	99.0-101.0%
Water solubility	Free soluble
Ultraviolet absorption	227±2nm
Loss on Drying	1.0 %max

Sulfate	0.1% max
Potassium	17.0-21 %
Impurity	20ppm max
Heavy metals (Pb)	1.0ppm max
Fluorid	3.0ppm max
Selenium	10.0ppm max
Lead	1.0ppm max
PH value	6.5-7.5

Application

Acesulfame-K is usually used in combination with aspartame or other sweeteners because it has a synergistic effect to enhance and sustain the sweet taste of foods and beverages. It is heat stable so it can be used in baked products. It does not provide calories. Acesulfame-K is found in many foods, including chewing gum, desserts, alcoholic beverages, syrups, candies, sauces, and yogurt. Apart from its usage in food and beverages it is also used in some medicines like cough drops, toothpaste, and mouth washes.

Packing

25kg per square fiber drum

18tons per FCL with pallets,20tons per FCL without pallets

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Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center
Qianshan Road, Hefei
230022 Anhui
China

Tel : (0086) 551 5418695
Fax: (0086) 551 5418697
Email: info@tnjchem.com
Site: www.tnjchem.com