Summary Technical Data Sheet

Citric Acid Food Grade

Product Name: Citric Acid Food Grade

CAS Number: 77-92-9
E number #: E330
Formula: $C_6H_8O_7$
Molecular weight: 192.12 g/mol.
Grade: Food
Certificate:
BP2018/USP40/FCC9
Shelf life: 2 years
Certifications: Halal, Koscher



Typical Properties

Appearance: white crystal
Solubility: soluble in water

Product Specifications

Properties	Specifications
Moisture	< 0.5%
Assay	99.5-100.5%
Sulfate (as SO_4)	< 150 ppm
Oxalates	< 100 ppm
Heavy metals	< 10 ppm
Aluminum (as Al)	< 0.2 ppm
Mercury (as Hg)	< 1 ppm
Lead (as Pb)	< 0.5 ppm
Arsenic (as As)	< 1 ppm
Mercury	< 1 ppm
Sulfated ash	0.015%
Bacterial endotoxins	≤ 0.5 lu/mg
Mesh	30~100 mesh

Citric acid is a weak organic acid that is naturally found in citrus fruits. Citric acid is an effective acidifying agent, antioxidant, and preservative.

Citric acid is mainly used in the food and beverage industry as acidity regulator, flavoring agent, and preservative. It is used in food production, as an alternative to vinegar or lemon juice, where a pure acid is needed. Citric acid can also be added to ice cream as an emulsifying agent to keep fats from separating and to caramel to prevent sucrose crystallization. Citrate salts of different metals are used to deliver those minerals in a biologically available form in many dietary supplements. Citric acid is combined with sodium bicarbonate in many effervescent products, both for ingestion (e.g., powders and tablets) and for personal care (e.g., bath salts, bath bombs, and cleaning of grease).

Citric acid is an environmentally friendly cleaning agent for personal care products and cleaners. Citric acid chelates to the metals in hard water, which increases the effectiveness of soaps and detergents. Citric acid is the active ingredient in some bathroom and kitchen cleaning products. It is used to remove and prevent limescale deposits from boilers and evaporators.

Storage and Handling: Store in a dry and cool place and in a tight container, prevent from absorbing moisture.

Avoid temperature fluctuations. Keep away from strong oxidants, reducing agents and potassium nitrate etc.

Packaging: 55 lb / 25 kg bag

Transport Regulations: Not regulated as dangerous goods (for reference only).

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.

Aqua Bond Inc. · PO Box 63635, Toronto, ON M1V 5K2·Tel. 416·754·7211·www.aquabond.ca