

CITRIC ACID ANHYDROUS



Cas Number: 77-92-9

Other Names: Citric acid, 2-hydroxypropane-1,2,3-tricarboxylic acid,
Citrate

Formula: $C_6H_8O_7$

PRODUCT INTRODUCTION

Anhydrous Citric Acid is a tricarboxylic acid having chemical formula $C_6H_8O_7$, it is naturally present in citrus fruits. Citric acid is used as an excipient in pharmaceutical preparations due to its antioxidant properties.

PHYSICAL AND CHEMICAL PROPERTIES

Characteristics	Colorless crystals or a white, crystalline powder.
Identification	Pass
Clarity and colour of solution	Pass
Water	0.09
Content	99.94
Readily Carbonizable Substances	0.18
Calcium	< 0.001%
Chloride	< 0.0005%
Sulfate	< 0.002%
Oxalates	< 0.002%
Heavy Metal	< 1 ppm
Aluminum	< 0.2 ppm
Lead	< 0.5 mg/kg
Arsenic	< 0.2 mg/kg
Mercury	< 0.1 mg/kg

Sulfated As	< 0.03%
Bacterial Endotoxins	< 0.5 lu/mg
Tridodecylamine	< 0.1 mg/kg
Mesh	30-100 Mesh

APPLICATIONS

- Citric acid is an active ingredient in products registered for residential and commercial use as disinfectants, sanitizers and fungicides. These products are used to kill odor-causing bacteria, mildew, pathogenic fungi, certain bacteria and some viruses.
- Citric acid is utilized in a large variety of food and industrial applications because of its unique combination of properties. It is used as a acid to adjust pH, a buffer to control or maintain pH, a chelator to form stable complexes with multivalent metal ions, and a dispersing agent to stabilize emulsions and other multiphase systems.
- It is a synergist for antioxidants employed in inhibiting rancidity in foods containing fats and oils and in preventing loss of color and flavor of canned fruits and fish. A mixture of citric acids is used as a dip for oily fish to prevent surface tissue from becoming brown and gummy.
- It is also used as an anticoagulant, generally in solution with glucose, to prevent clotting of blood intended for transfusion

PACKAGING OPTIONS

Drums

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