7-5 Citric Acid

I. Product Overview

Product Name: Citric Acid

Category: Citric Acid

CAS Number: 5949-29-1 (Monohydrate)
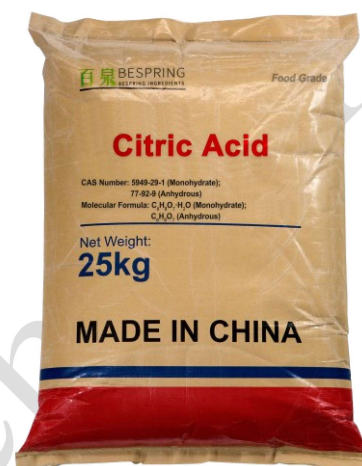
77-92-9 (Anhydrous)

Molecular Formula: $C_6H_8O_7 \cdot H_2O$ (Monohydrate)

$C_6H_8O_7$ (Anhydrous)

Packaging: 25 kg paper bags or other packaging as required by the customer; 22 tons/20GP container without pallets, 25-26 tons/20GP container with pallets

Minimum Order Quantity: 500 kg

Quality Standards: Kosher, Halal, ISO

II. Product Specifications

Item	Specification (Monohydrate)	Specification (Anhydrous)
Appearance	White or nearly white crystalline powder, colorless crystals or granules. Odorless, with a strong acidic taste. Very soluble in water, soluble in ethanol.	White or nearly white crystalline powder, colorless crystals or granules. Odorless, with a strong acidic taste. Very soluble in water, soluble in ethanol.
Identification Test	Passes test	Passes test
Solution Appearance	Passes test	Passes test
Content (%)	99.5~100.5	99.5~100.5
Moisture (%)	7.5~8.8	≤0.5
Readily Carbonizable Substances	Passes test	Passes test
Sulfate Ash (Residue after Ignition) (%)	≤0.05	≤0.05
Sulfates (mg/kg)	≤150	≤150

Oxalates (mg/kg)	≤100	≤100
Lead (mg/kg)	≤0.5	≤0.5
Arsenic (mg/kg)	≤1.0	≤1.0
Mercury (mg/kg)	≤1.0	≤1.0
Aluminum (mg/kg)	≤0.2	≤0.2
Heavy Metals (mg/kg)	≤5.0	≤5.0
Bacterial Endotoxin (IU/mg)	≤0.5	≤0.5

Or as required by the customer

III. Applications

Citric acid is mainly used as an acidulant, flavoring agent, preservative and pharmaceutical excipient in the food and beverage and pharmaceutical industries. It is also used as an antioxidant, plasticizer and detergent additive in the chemical, cosmetic and detergent industries.

IV. Storage

Store in a dry, ventilated, non-polluted room temperature environment. Avoid direct sunlight and open-air storage. Shelf life is 36 months from the date of production.