

7-6 Sodium Citrate

I. Product Overview

Product Name: Sodium Citrate

Category: Citrate Salt

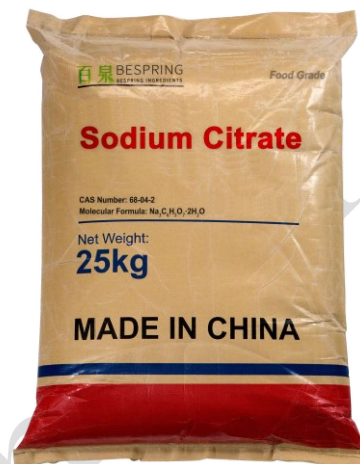
CAS Number: 68-04-2

Molecular Formula: $\text{Na}_3\text{C}_6\text{H}_5\text{O}_7 \cdot 2\text{H}_2\text{O}$

Packing Specifications: 25 kg/bag

Minimum Order Quantity: 500 kg

Quality Standards: HACCP, Kosher, Halal, ISO



II. Product Specifications

Item	BP98	E331
Appearance	Colorless or white crystals, crystalline powder	Colorless or white crystals, crystalline powder
Content (%)	99.0-101.0	99.0-101.0
Acidity/Alkalinity	Passes test	Passes test
Sulfide ($\leq\%$)	0.015	0.015
Heavy Metals (as Pb) ($\leq\%$)	0.001	0.0005
Oxalate ($\leq\%$)	0.03	0.01
Readily Carbonizable Substances	Complies with regulations	Complies with regulations
Chloride ($\leq\%$)	0.005	0.005
Loss on Drying (%)	11.0-13.0	11.0-13.0
pH of 5% w/v Solution	--	7.5-9
Arsenic ($\leq\text{ppm}$)	--	1
Lead ($\leq\text{ppm}$)	--	1
Mercury ($\leq\text{ppm}$)	--	1
Clarity	--	Complies with regulations

III. Applications

- In the food and beverage industry, sodium citrate serves as an acidity regulator, flavoring agent, and stabilizer. In the pharmaceutical industry, it is used as an anticoagulant, expectorant, and diuretic. In the detergent industry, it can replace sodium tripolyphosphate as a non-toxic detergent additive. Additionally, it is utilized in brewing, injection molding, electroplating, and various drugs and photography applications.

IV. Storage

Sodium citrate should be stored in a cool, dry, and ventilated place, away from direct sunlight and high temperature and humidity environments. The storage temperature should not exceed 30°C. The packaging should be intact to prevent the product from becoming damp and deteriorating.