

7-1 Calcium Citrate

I. Product Overview

Product Name: Calcium Citrate

Category: Citrate Salt

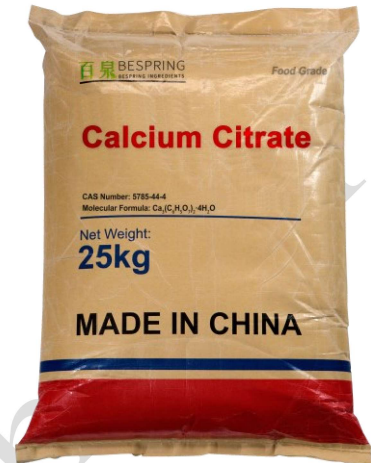
CAS Number: 5785-44-4

Molecular Formula: $\text{Ca}_3(\text{C}_6\text{H}_5\text{O}_7)_2 \cdot 4\text{H}_2\text{O}$

Packing Specifications: 25 kg/bag, 20 tons/20FCL

Minimum Order Quantity: 500 kg

Quality Standards: HACCP, Kosher, Halal, ISO



II. Product Specifications

Item	Unit	FCC-IV Standard	USP24 Standard
Calcium Citrate Content (Dry Basis)	%	97.5-100.5	97.5-100.5
Arsenic (As)	%	≤0.0003	≤0.0003
Fluoride (F)	%	≤0.003	≤0.003
Insoluble in Acid Matter	%	≤0.2	≤0.2
Lead (Pb)	%	≤0.0002	≤0.0001
Heavy Metals (as Pb)	%	--	≤0.002
Loss on Drying	%	10.0-14.0	10.0-13.3
Residual Moisture	%	≤0.003 (FCC-IV)	≤0.0002 (USP24)
Clarity	--	--	
Appearance	--	White powder or white crystalline powder	

III. Applications

- Food calcium fortifier, chelating agent, buffering agent, tissue coagulant, and emulsifying salt.

IV. Storage Conditions

Calcium 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.

Bespring Chemical