

## 2-3 Tricalcium Phosphate (TCP)

### I. Product Overview

**Product Name:** Tricalcium Phosphate (TCP)

**Category:** Calcium Phosphate Salt

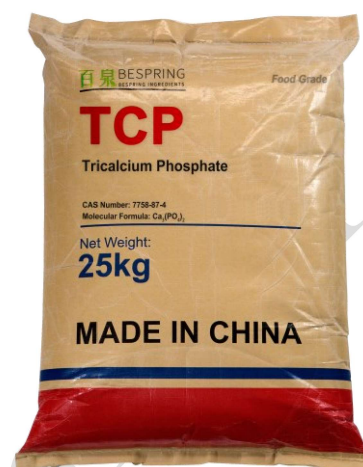
**CAS Number:** 7758-87-4

**Molecular Formula:**  $\text{Ca}_3(\text{PO}_4)_2$

**Packing Specifications:** 25 kg/bag, 22 tons/20FCL

**Minimum Order Quantity:** 500 kg

**Quality Standards:** HACCP, Kosher, Halal, ISO



### II. Product Specifications

Item	Specification
Appearance	White amorphous powder, odorless and tasteless, fine powder
Content (≥%)	90.0
P <sub>2</sub> O <sub>5</sub> Content (%)	38.5-48
Identification Test	Positive color reaction
Solubility Test	Almost insoluble in water, insoluble in ethanol, easily soluble in dilute hydrochloric acid and nitric acid
Ca Content (%)	34.0-40.0
Heavy Metals (as Pb) (≤%)	0.0015
Loss on Ignition (≤%)	8.0
Fluoride (≤%)	0.050
Lead (≤mg/kg)	4
Cadmium (≤mg/kg)	1
Mercury (≤mg/kg)	1

### III. Applications

- In the food industry, it is used as an acidity regulator, stabilizing agent, anticaking agent, calcium supplement, and yeast nutrient, among other applications.

#### IV. Storage Conditions

Tricalcium Phosphate (TCP) 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.

Bespring Chemical