

## 3-2 Sodium Trimetaphosphate (STMP)

### I. Product Overview

**Product Name:** Sodium Trimetaphosphate (STMP)

**Category:** Sodium Phosphate Salt

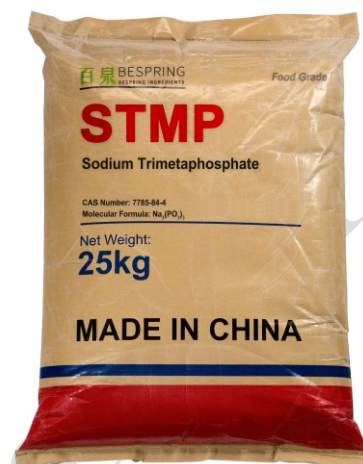
**CAS Number:** 7785-84-4

**Molecular Formula:**  $\text{Na}_3(\text{PO}_3)_3$

**Packing Specifications:** 25 kg/bag, 24 tons/20FCL

**Minimum Order Quantity:** 500 kg

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



### II. Product Specifications

Item	Unit	Specification
Sodium Trimetaphosphate ( $\text{Na}_3(\text{PO}_3)_3$ ) Content	%	≥98.5
$\text{P}_2\text{O}_5$ Content	%	≥68.0
Arsenic (As)	%	≤0.0003
Heavy Metals (as Pb)	%	≤0.001
Fluoride (F)	%	≤0.003
Lead (Pb)	%	≤0.0004
pH of 1% Solution	-	6.0-8.0
Insoluble Matter	%	≤0.1

### III. Applications

- Used as a starch modifier and turbidity-preventing agent. In fruit juices and beverages, it acts as a water-holding agent. In meat processing, it functions as a water softener, adhesive agent, dispersing agent, and stabilizer for ice cream, cheese, and dairy products, helping to prevent food discoloration and the decomposition of Vitamin C.

### IV. Storage Conditions

Sodium Trimetaphosphate (STMP) should be stored in a cool, dry, ventilated place, away

from direct sunlight and high temperature and humidity environments. The storage temperature should not exceed 30°C.

Bespring Chemical