

1-2 Tetrapotassium Pyrophosphate (TKPP)

I. Product Overview

Product Name: Tetrapotassium Pyrophosphate (TKPP)

Category: Potassium Phosphate Salt

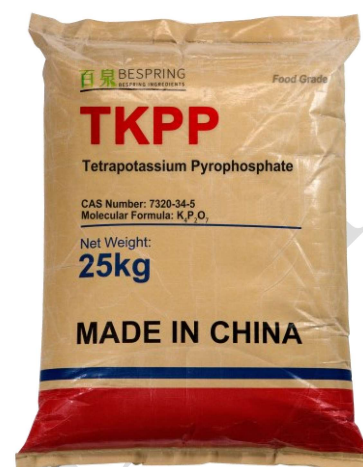
CAS Number: 7320-34-5

Molecular Formula: $K_4P_2O_7$

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

Minimum Order Quantity: 500 kg

Quality Standards: HACCP, Kosher, Halal, ISO



II. Product Specifications

Item	Unit	Specification
$K_4P_2O_7$ Content	%	≥95.0
Insoluble Matter in Water	%	≤0.2
Arsenic (As)	%	≤0.0003
Heavy Metals (as Pb)	%	≤0.001
Lead (Pb)	%	≤0.0002
Fluoride (F)	%	≤0.003
Loss on Ignition at 110°C	%	≤0.5
Cadmium (Cd)	%	≤0.0001
Mercury (Hg)	%	≤0.0001
Appearance	-	White powder or granules

III. Applications

- In the food industry, it is used as an emulsifier improver and chelating agent, and also as an alkaline raw material. It is often combined with other condensed phosphates to prevent struvite formation in canned aquatic products and to preserve the color of canned fruits. It helps enhance ice cream overrun, increases yield and water retention in ground meat and ham sausage, improves noodle texture and yield, and prevents cheese aging. In the industrial sector, it is used in non-cyanide electroplating, dyeing, and clay refining.

IV. Storage Conditions

Tetrapotassium Pyrophosphate (TKPP) 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.

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