

1-3 Potassium Tripolyphosphate (KTPP)

I. Product Overview

Product Name: Potassium Tripolyphosphate (KTPP)

Category: Potassium Phosphate Salt

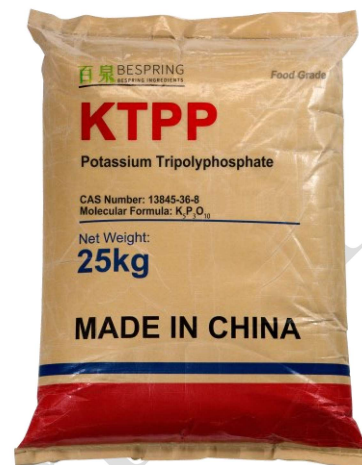
CAS Number: 13845-36-8

Molecular Formula: $K_5P_3O_{10}$

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

Minimum Order Quantity: 500 kg

Quality Standards: HACCP, Kosher, Halal, ISO



II. Product Specifications

Item	Unit	Specification
Content ($K_5P_3O_{10}$)	%	≥90.0
P_2O_5 Content	%	≤46.0
Water Insoluble Matter	%	≤2.0
Arsenic (As)	%	≤0.0003
Heavy Metals (as Pb)	%	≤0.001
Fluoride (F)	%	≤0.003
Cadmium (Cd)	%	≤0.0001
Mercury (Hg)	%	≤0.0001
pH Value	-	9.5-10.5
105°C Drying Loss	%	≤0.7
Appearance	-	White powder

III. Applications

- In industry, it is primarily used for soil improvement, oil emulsification, and as a buffer in liquid detergents. It is an efficient phosphorus and potassium compound fertilizer and can be transformed into a multi-element, high-efficiency compound fertilizer by adding appropriate amounts of trace elements. In the food industry, it serves as an emulsifier, moisturizer, chelating agent, stabilizer, texture modifier, binder, color retention agent, antioxidant, and preservative.

IV. Storage Conditions

Potassium Tripolyphosphate (KTPP) 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.