



# Tetra Potassium Pyrophosphate [TKPP]

## **SYNONYMS:**

Potassium diphosphate; Tetrapotassium pyrophosphate

**CAS No:** 7320-34-5

**MOLECULAR FORMULA:** K<sub>4</sub>P<sub>2</sub>O<sub>7</sub>

## **PROPERTIES:**

It is white powdery granulars or lumps, easy deliquescence, soluble in water and showing alkaline aqueous solution and insoluble in alcohol. It mainly applied to electroplating without cyanate, industrial or household detergents; It can be used as a buffering reagent as well as stabilizer for hydrogen peroxide

## **SPECIFICATION:**

Appearance	White powder
Main content %	96.2%
Non-active phosphate ( based on P <sub>2</sub> O <sub>5</sub> )%	41.1%
Iron (Fe)	45 PPM
Insoluble substance in water %	0.07
PH value	10.5
Heavy metal, as Pb %	< 0.005
Chloride content %	0.1

## **USAGE:**

It is mainly used in non cyanogen electroplating, As a Complexing agent for electroplating to substitute sodium cyanide, Electroplating pre-treatment agent and electroplating solution of Pyrophosphate, used as components of detergents for cloth, cleaning agents for metal surfaces and cleaners for bottles, clay dispersant in ceramic industry, and for Pigment and dye dispersant and buffer. In the dyeing industry to remove a small amount of Fe<sup>3+</sup> in order to improve the quality of dyeing.

## **PACKING**

25Kgs net bag.