

## Technical Data Sheet

**Product Name:** Sodium Tripolyphosphate (STPP)

**Grade:** Food grade

**Molecular Formula:**  $\text{Na}_5\text{P}_3\text{O}_{10}$

**Properties:** White powder; Melting point 622 °C ; Easily soluble in water; It has got salient chelating capacity to metal ions of Ca and Mg etc. and can soften hard water to make suspension into solution, alkalinity, without causticity . It is a surfactant, and has got outstanding emulsification to lubricants and fat.

### Specification

Index	Industrial Grade
主含量 Assay $\text{Na}_5\text{P}_3\text{O}_{10}$ % $\geq$	94.0
五氧化二磷 $\text{P}_2\text{O}_5$ % $\geq$	57.0
水不溶物 Water Insoluble Matter % $\leq$	0.10
铁 Iron(Fe) % $\leq$	0.015
PH值 (1%水溶物) PH value (1% water solution)	9.2-10.0
重金属 Heavy metals, as Pb % $\leq$	0.001
砷 Arsenic, as As % $\leq$	0.0003
氟化物 Fluoride, as F % $\leq$	0003
白度 Whiteness % $\geq$	90



### Application:

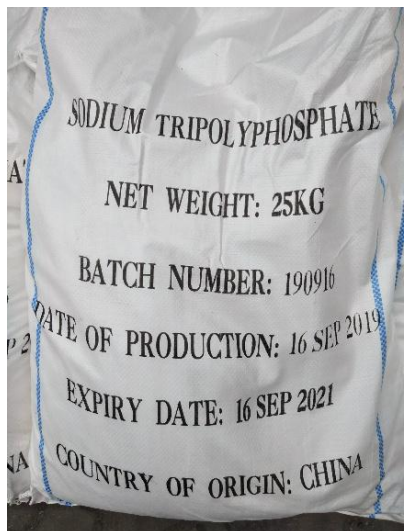
In food processing industry, stpp can be used as quality improvers and water retention agents in canning, juice drinks, dairy products, soy milk and other food. In addition, it can also be used as softener and thickener, such as, tenderizing canned ham and softening the bean hull in canned beans.

### Package and Storage:

Plastic-woven sack with polythene inner bag, net weight 25kg;

Kraft paper bags with polythene inner bag, net weight 25kg;

Keep away from water or moisture, do not pile up the open air.



### Notes:

Irritating to eyes, respiratory system and skin; Wear suitable protective clothing; Avoid contact with skin and eyes  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.