

# PREMIUM INGREDIENT CO.,LTD

## SHMP-FG

### DESCRIPTION

<b>General Description</b> Sodium Hexametaphosphate Food Grade		<b>Date effective - edition</b> January.2024-01
<b>Grade</b> Food grade	<b>E number(s)</b> E 452(i)	<b>Formula</b> $\text{Na}_6\text{O}_{18}\text{P}_6$
<b>Molecular weight</b> 611.77	<b>EINECS</b> 233-343-1	<b>CAS number</b> 10124-56-8

### PRODUCT CHARACTERISTICS

Chemical properties	Unit	Typical analysis	Specifications
Total $\text{P}_2\text{O}_5$	%	68.3	68.0-69.0
Inactive phosphate	%	6.5	7.5 MAX
Water insoluble	%	0.005	0.05 MAX
Ph (1% solution)		6.8	5.8-7.0
Loss on ignition	%	0.7	1 MAX
Fluoride	ppm	0.02	10 MAX
Pb	ppm	0.01	1 MAX
As	ppm	0.03	1 MAX
Cd	ppm	0.05	1 MAX
Hg	ppm	0.01	1 MAX
Fe	ppm	25	100 MAX
Heavy metal (as Pb)	ppm	< 10	10 MAX
Solubility		Pass	Pass
Test for sodium		Pass	Pass
Test for phosphate		Pass	Pass
Appearance		Pass	White Flake, Granular or Powder

### PACKAGE & STORAGE & SHELF LIFE

Package: 25kg kraft paper bags, 1000kg jumbo bag or according to the customers' requirements.  
Store in a cool, dry and odorless place, Protect from humidity, Keep in the packaging of origin, shrink-wrapped  
Best before: 2 years after production date

### APPLICATIONS

Used as a water retention agent and to improve pH values in the food industry.  
Used in many applications associated with fruit drink, milk, meat, cheese products and canned food.

