



Specialized in chemicals

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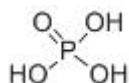
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## Technical Data Sheet

# Phosphorous acid

### Product Information

Chemical Name	Phosphorous acid
CAS #	7664-38-2
EINECS	231-633-2
Formula	H3O4P
Molecular Weight	98
Synonyms	Phosphoric acid
Chemical Structure	



### Description

Phosphorous acid 85% solution is a kind of colorless or light yellow viscous liquid. Phosphorous acid is a inorganic acid, soluble in water and ethanol.

### Physical Properties

Melting point, °C	42.35
Appearance	Colorless or light yellow viscous liquid
Solubility	Soluble in water and ethanol

### Specification

#### Food Grade:

Purity (H3PO4) 85% min

As 0.00005% max

F 0.001% max

Heavy Meta(as Pb) 0.0005% max

H3PO3 0.012% max

#### Technical Grade

Purity (H<sub>3</sub>PO<sub>4</sub>) 85% min  
Cl 0.0005% max  
SO<sub>4</sub> 0.005% max  
Fe 0.002% max  
As 0.005% max  
Heavy Meta(as Pb) 0.001% max  
Color 30 max

LCD Grade

Purity (H<sub>3</sub>PO<sub>4</sub>) 85% min  
Fe 300 ppb max  
As 200 ppb max  
Na 150 ppb max  
Ca 150 ppb max  
Mg 150 ppb max  
Pb 100 ppb max  
Cu 100 ppb max  
K 100 ppb max  
Ni 100 ppb max  
Al 100 ppb max  
Mn 100 ppb max  
Bi 100 ppb max  
Co 100 ppb max  
Sr 100 ppb max  
Color 10 max.

**Applications**

For food industry, as a acidity regulator and nutrition agent for yeast, Phosphoric acid of food grade could be applied for flavors, canned food and light drinks as well as used in wine brewery as a nutrients source for yeast to prevent the reproduction of useless bacteria.

For technical grade industry, phosphoric acid could be used to produce variety of phosphates, electrolyte treatment liquids or chemical treatment liquids, refractory mortar with phosphoric acid and inorganic coheretant. It is also used as a catalyst, drying agent and cleaner. In coating industry it is used as a rust-proof coating for metals..

**Package**

It is packed with 35 kg , 330 kg or 1600kg, ISO TANK.

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