



**PRODUCT INFO  
& DATASHEET**

# SICO-MKP 0.52.34

## MONO POTASSIUM PHOSPHATE

Superior technical grade – hot processed  
min. 99% water soluble fertiliser  
Made in China

### **PRODUCT DESCRIPTION**

Product name:	Mono Potassium Phosphate
Chemical name:	Phosphoric acid, Mono Potassium salt
Molecular formula:	$\text{KH}_2\text{PO}_4$
CAS number	7778-77-0
Molecular weight:	136.09
Test criteria:	HG2321-1992

### **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	colorless or white crystals, easily soluble in water
Relative density:	2.338 g/cm <sup>3</sup>
Melting point:	252.6 dgr. C.
pH of 1% solution:	4.3 – 4.8

### **SPECIFICATIONS**

	<u>Standard analysis</u>	<u>Test results on sample dd 28/11/11</u>
Main content:	99% min.	99.18%
$\text{P}_2\text{O}_5$ (Phosphorus Pentoxide):	52% min.	52.07%
$\text{K}_2\text{O}$ (Potassium Oxide):	34% min.	34.11%
$\text{SO}_4$ :	-	0.02%
Chloride (as Cl):	0.1% max.	0.08%
Moisture:	0.2% max.	0.12%
Water insolubles:	0.1% max.	0.08%
Fluoride:	-	0.08%
Heavy metals:		
Lead (Pb)	30 ppm max.	9 ppm
Arsenic (As)	80 ppm max.	3 ppm
Cadmium (Cd)	20 ppm max.	0.19 ppm
Mercury (Hg)	5 ppm max.	0.009 ppm

### **Superior technical quality**

This product is min. 99% technical, produced by pure hot processed phosphoric acid 85% and KOH (potassium hydroxide) ion film, which is better than normal membrane, because a KOH ion film can select the good ions to prevent the heavy metal ions. This results in higher purity and lower heavy metals.

Please note some MKP's are produced by KCl, not KOH. KOH is more expensive than KCl (potassium chloride). KOH is produced from KCl.

### **APPLICATIONS**

Mainly used as water soluble fertiliser. NPK raw material, used as a buffer, a synthetic clearing agent of bacterial culture sprinkle flavouring agent, the system of partial potassium phosphate raw materials, brewing yeast culture agent, enhancer, leavening agent, fermentation agent.

### **PACKING**

Packed in 25 kg or 50 kg net woven polypropylene bags + pe bags or 1000 kg big bags.

### **STORAGE**

Store at a dry, cool and well ventilated place, away from direct sunlight.

P.S. We can also offer MKP food grade.