



**PRODUCT INFO
& DATASHEET**

SICO-MKP 0.52.34 Mono Potassium Phosphate

Type 4 Technical grade – wet processed (low As)

min. 99% water soluble fertiliser

Made in China

update 05/2026

PRODUCT DESCRIPTION

Product name: Mono Potassium Phosphate
 Chemical name: Phosphoric acid, Mono Potassium salt
 Molecular formula: KH_2PO_4
 CAS number: 7778-77-0
 Molecular weight: 136
 Test criteria: HG2321-1992

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: colorless or white crystal powder, easily soluble in water
 Relative density: 2.338 g/cm³
 Melting point: 252.6 dgr. C.
 pH of 1% solution: 4.3 – 4.8

SPECIFICATIONS

	Type 4 Technical Grade wet processed	
	Standard analysis	Test results on sample 19/09/2025
Main content	99% min.	99.23%
P ₂ O ₅ (Phosphorus Pentoxide)	52% min.	52.2%
K ₂ O (Potassium Oxide)	34% min.	34.2%
pH (30 g/L water solution)	4.3-4.7	4.37
Moisture	0.5% max.	0.2
Water insolubles	0.1% max.	0.006
Heavy metals	0.2% max.	0.15%
- Arsenic (As)	10 ppm max.	8
- Lead (Pb)	100 ppm max.	45
- Cadmium (Cd)	10 ppm max.	2
- Mercury (Hg)	5 ppm max.	1
Chloride (Cl)	100 ppm max.	55

We supply 4 types :

Type 1 Normal Technical grade (our normal export grade with As content 50-100 ppm max).

Type 2 Superior Technical grade, hot processed (with extra low As content 3-20 ppm max).

Type 3 Superior Technical grade, PPA processed (with very extra low heavy metals (Cd/Hg). Produced with PPA imported purified method acid.

Type 4 Technical grade, wet processed (with low As content 15-20 ppm max). Produced with PPA domestic purified method acid.

Technical grades Types 2 & 3 & 4 are produced by pure 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 net wpp + pe bags with pe liner inside.

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

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