

## Acidic Potassium Phosphate

### Suggested applications

Used as an efficient water soluble fertilizer with NPK ratio of 00-60-20. Suitable for alkaline soils, ideal for drip irrigation systems in regions with high level of calcium and magnesium ions. Particularly suitable for acid-loving crops such as berries, citrus, and tea. Its acidic nature enhances nutrient availability, reduces clogging in irrigation systems, and improves soil structure over time.

### Physical properties

White or colorless crystals, soluble in water easily, insoluble in organic solvent. Density is 2.338. Melting point is 252.6°C. Its aqueous solution is strongly acidic. It has low heat stability, and easily decomposed while be heated.

### Packaging & Storage

Packed in 25kg or 1000kg PP+PE bags.  
Customized bags packing is available.  
Stored at cool, dry and well ventilated place.

### Target properties

<b>Chemical formula</b>	KH <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub>
<b>Molecular weight</b>	234
<b>Main contents% ≥</b>	98
<b>Phosphorus Pentoxide(P<sub>2</sub>O<sub>5</sub>)% ≥</b>	60
<b>Potash, as K<sub>2</sub>O % ≥</b>	20
<b>Sulfate, as SO<sub>4</sub> % ≤</b>	0.005
<b>Chloride, as Cl % ≤</b>	0.1
<b>Heavy Metals, as Pb % ≤</b>	0.005
<b>Moisture % ≤</b>	0.2
<b>Water insoluble% ≤</b>	0.1
<b>PH value of 1% solution</b>	1.6-2.4

\*permissible tolerance of 0.1-0.2% is possible for main content and moisture due different testing methods under diverse conditions