

Mono Potassium Phosphate

Suggested applications

Mainly used for water soluble fertilizers in irrigation agriculture, used as foiler fertilizers, NPK compound fertilizers. Also used for processing of pesticide to protect crops.

Physical properties

White or colourless crystal, easily soluble in water, relative density 2.338g/cm³, melting point is 252.6°C, and pH value of 1% solution is 4.5. The material can absorb moisture easily. After long time shipment it may get slight caked, but the caking can be scrunched by hands very easily.

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

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| Chemical formula | KH ₂ PO ₄ |
| Molecular weight | 136.1 |
| Main contents% ≥ | 99 |
| Phosphorus Pentoxide(P₂O₅)% ≥ | 52 |
| Potash, as K % ≥ | 34 |
| Total Nutrition, as P₂O₅+K % ≥ | 85 |
| Chloride, as Cl % ≤ | 0.1 |
| Heavy Metals, as Pb % ≤ | 0.01 |
| Moisture % ≤ | 0.2 |
| Water insoluble% ≤ | 0.1 |
| PH value of 1% solution | 4.3-4.8 |

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