

DiPotassium Phosphate

Suggested applications

It is widely used as a chloride free water-soluble fertilizer rich in phosphorus and potassium. It can promote the full absorption of nitrogen and phosphorus by crops, and can play a role of quick supplement for crops lacking phosphorus and nitrogen.

Physical properties

White or colourless crystal, high purity, totally soluble in water and fast dissolving, with relative density of 2.338g/cm³, melting point is 252.6°C, low salt index, and pH value of 1% solution is 4.5. The material can absorb moisture 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

Chemical formula	K ₂ HPO ₄ ·3H ₂ O
Molecular weight	174.18
Main contents% ≥	99
Phosphorus Pentoxide(P₂O₅)% ≥	30.5
Potash, as K % ≥	40.4
Total Nutrition, as P₂O₅+K % ≥	70.5
Chloride, as Cl % ≤	0.1
Heavy Metals, as Pb % ≤	0.001
Asenic, as As % ≤	0.005
Moisture % ≤	0.2
Water insoluble% ≤	0.1
PH value of 1% solution	8.8-9.6

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