

Urea Phosphate

Suggested applications

Mainly used as 100% water soluble in fertigation of field crops and fruit trees, best for drip irrigation and foliar application. Mainly recommended for high pH soils as it significantly improves the low efficiency of phosphorus application caused by high pH in saline-alkali soil. Also used as raw materials for fertilizers blends and liquid fertilizers.

Physical properties

White or colorless granular crystals with density of 1,759 g/cm³, easily soluble in water, insoluble in organic solvent. It has a melting point of 117.3°C, and its water solution is strongly acidic. The pH value of 1% solution is 1.89. It has low heat stability and it is easily decomposed when heated. After long time shipment it may get caked, but the caking can be scrunched by hands. Anti-caking agent can be added as required.

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	H ₃ PO ₄ ·CO(NH ₂) ₂
Molecular weight	158.0
Main contents% ≥	98
Phosphorus Pentoxide(P₂O₅)% ≥	44
Nitrogen, as N % ≥	17
Total Nutrition, as P₂O₅+N % ≥	61
Heavy Metals, as Pb % ≤	0.001
Asenic, as As % ≤	0.003
Moisture % ≤	0.3
Water insoluble% ≤	0.1
PH value of 1% solution	1.6-2.4

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