

Mono Ammonium Phosphate

Suggested applications

Mainly used as water soluble fertilizer, supplying nitrogen and phosphorus nutrients for plants. Raw materials for water soluble NPKs. Used as fire-proofing agent for fabric, timber and paper. Also used as additive in fireproof paint, as powder extinguishing.

Physical properties

White powder/crystals, relative density of 1.23g/cm³, melting point is 180.0°C. easily soluble in water ,slightly soluble in alcohol, insoluble in ketone, pH value of 1% solution is 4.5. The material can absorb moisture easily. After long time shipment it may get caked, and 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	NH ₄ H ₂ PO ₄
Molecular weight	115.0
Main contents% ≥	99
Phosphorus Pentoxide(P₂O₅)% ≥	61
Nitrogen, as N % ≥	12
Total Nutrition, as P₂O₅+N % ≥	73
Heavy Metals, as Pb % ≤	0.01
Moisture % ≤	0.2
Water insoluble% ≤	0.1
PH value of 1% solution	4.2-4.8

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