

MONOAMMONIUM PHOSPHATE (MAP)

Molecular formula: $\text{NH}_4\text{H}_2\text{PO}_4$

Molecular weight: 115.0

CAS Number: 7722-76-1

Appearance: White powder

Guaranteed Technical Specifications :

Parameter	Specification
Total Nitrogen %	12 ± 1
Total Phosphates in terms of P2O5, %	61± 1
Total of nutrients (P2O5 + N) %	Min 71
Water, %	Max 0.3
Insoluble in water residue %	Max 0.1
Solubility in water at 20 deg. C, g/100 g water	37.1
pH in 0.1% water solution	4.7
pH in 1.0% water solution	4.5
Electrical Conductivity in 0.1% water solution, mSi/cm	0.86
Electrical Conductivity in 1.0% water solution, mSi/cm	7.45
Arsenic (As), mg/kg	< 1
Cadmium /Cd), mg/kg	< 0.5
Chromium (Cr), mg/kg	12.5
Lead (Pb), mg/kg	3.7
Mercury (Hg), mg/kg	0.017
Salt Index, g/g NaNO3	0.28