

MANUFACTURER'S NAME AND ADDRESS

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Monoammonium Phosphate – MAP 12-61 Feed Grade

$\text{NH}_4\text{H}_2\text{PO}_4$

Monoammonium phosphate is an excellent source of phosphorus for polygynous animals (cows, sheep, goats), since their diet requires not only protein, fats, carbohydrates and vitamins, but also minerals such as phosphorus. It is known that phosphorus is part of the nucleic acids that serve as carriers of genetic information, also participates in the processes of protein biosynthesis and helps to strengthen the immune system in addition, the phosphorus of feed materials of inorganic origin can be absorbed by animals no worse than organic phosphorus, which is confirmed by the fact that monoammonium phosphate phosphorus has the highest percentage of assimilation among feed phosphates (over 91%). Application as a feed materials for enriching and balancing the nutrition of farm animals to reduce the risk of diseases associated with a lack of phosphorus, to normalize metabolism in the body and the effective functioning of the immune and reproductive systems. The introduction of monoammonium phosphate into the diet of animals as a source of phosphorus for farm animals can improve the quality of meat, increase daily weight gain, and milk yield.

Appearance	Crystals
Total Phosphorus (P), %	26.6 ± 0.4
Relative solubility of P in water, %	> 99
Total Nitrogen, %	12 ± 1
pH (1% solution in water)	4.5
Humidity, %	< 0.3
Insolubles, %	< 0.1
Particle size, < 1 mm, %, min	90
Undesirable Elements:	
Arsenic (As), mg/kg	< 1
Cadmium (Cd), mg/kg	< 0.4
Lead (Pb), mg/kg	< 10
Mercury (Hg), mg/kg	< 0.1
Fluorine (F), mg/kg	< 500
Chlorine (Cl ⁻), g/kg	< 10 (dry matter)
Sodium (Na), g/kg	< 8 (dry matter)
Potassium (K), g/kg	< 60 (dry matter)
Nitrites (NaNO ₂), mg/kg	< 15
Sulphate (SO ₄ ²⁻), g/kg	< 8 (dry matter)
Moulds, CFU/g	< 10 ⁶
Yeast, CFU/g	< 10 ⁶
Aflatoxin B1, mg/kg	< 0.005
Dioxins, ng/kg	< 0.75
Dioxins and dioxin-like PCBs, ng/kg	< 1.0
Non-dioxin-like PCBs, µg/kg	< 10
Dioxin-like PCBs, ng/kg	< 0.35

Packaging, transportation and storage:

Packaging: 25 kg bags.

Transportation: by rail, road and water transport.

Storage: store in closed warehouses, excluding the ingress of precipitation and groundwater.

The management system of the production site is certified to ISO 9001, ISO 14001 and ISO 45001