

# MONOAMMONIUM PHOSPHATE

**$\text{NH}_4\text{H}_2\text{PO}_4 \geq 99.5\%$**

Monoammonium phosphate is a completely water-soluble crystalline product. It is used as raw material for the production of water-soluble NPK fertilizers for protected ground and open field (in greenhouses, hydroponics, irrigation systems), and as a raw material for the preparation of liquid complex fertilizers. Nitrogen is necessary for the growth and development of the plant biomass, takes part in the photosynthesis process. Phosphorus is necessary for the development of the root system of the plants. MAP is used as a feed supplement for animals. In addition, it is used in industry. Monoammonium phosphate is the perfect flame retardant. Due to its physical and chemical properties, it prevents ignition and burning. Due to complete absence of insoluble impurities, the complete dissolution of monoammonium phosphate is ensured and absorption into impregnated materials such as fabrics, plywood or wood is improved. Do not mix with fertilizers containing calcium and magnesium.



## QUALITY CHARACTERISTICS

Appearance	White crystals
Total nitrogen N, %	12
P <sub>2</sub> O <sub>5</sub> , %	61
Humidity, %, max	0.1
Insolubles, %, max	0.04
pH of 0.1 M solution	4.3-4.5
Turbidity, NTU, max	25
Solubility in water at 20°C, g/100 g water	37.3
Friability, %	100
Fluorine (F), ppm, max	200
Lead (Pb), ppm, max	10
Cadmium (Cd), ppm, max	0.4
Mercury (Hg), ppm, max	0.1
Arsenic (As), ppm, max	10

The allowed tolerance of the nutrient content is set in accordance with the domestic regulation of the country of import.

## PACKING AND STORAGE

The product is packed in 25 kg and 50 lbs laminated polypropylene bags with polyethylene liner and in 1000, 1200 and 1250 kg big-bags.

Store in covered storage facilities that exclude penetration of precipitation and ground water.

Warranty period is 1 year from the date of manufacture under the recommended conditions for transportation and storage.

Shelf life is unlimited.

## SELLER: EXCLUSIVE TRADING HOUSE LLC CASHMERE CAPITAL

123317 Russia Moscow  
Presnenskaya naberezhnaya 6, bldg. 2, floor 39  
Tel.: +7 (495) 9897073; +7 (495) 3671966  
Email: info@cashmere-cap.com  
www.cashmere-cap.com

## MANUFACTURER: OJSC HYDROMETALLURGICAL PLANT

357340, Lermontov City, 7 Promyshlennaya Street  
Stavropol Region, Russian Federation