

# DIAMMONIUM PHOSPHATE

**(NH<sub>4</sub>)<sub>2</sub>HPO<sub>4</sub> ≥ 99.5%**

Diammonium phosphate is a completely water soluble crystalline product. It is used as a raw material for the preparation of water-soluble NPK fertilizers for protected (greenhouses, hydroponics, sprinkling systems) and open field, as a raw material for the preparation of liquid complex NPK 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. DAP is used as a feed additive for animals as well. In addition, it has applications in industry. Diammonium phosphate is an ideal flame retardant. Due to its physicochemical properties, it inhibits ignition and combustion. Due to the complete absence of insoluble impurities, the complete dissolution of diammonium phosphate is ensured and the absorption in the impregnated materials, such as fabrics, plywood or wood, is improved.

## QUALITY CHARACTERISTIC

Appearance	White crystals
N, %	21
P2O <sub>5</sub> , % min	53
Humidity, %, max	0.3
Insolubles, %, max	0.02
pH of 0.1 M solution	7.8-8.6
Turbidity, NTU, max	25
Solubility in water at 20°C, g/100 g water	68.5
Friability, %	100
Fluorine (F), ppm, max	10
Lead (Pb), ppm, max	4
Cadmium (Cd), ppm, max	1
Mercury (Hg), ppm, max	1
Arsenic (As), ppm, max	2

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 of 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

