



PRODUCT INFO
& DATASHEET

From Russia with love ...

SICO-SOLUMAP 12.61.0

Completely water soluble crystalline MONO AMMONIUM PHOSPHATE

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

Made in Russia

03/2020

1. INTRODUCTION

SICO-SOLUMAP 12.61.0 Monoammonium phosphate is a completely water-soluble crystalline product. It is used as raw material for the production of water-soluble

NPK fertilisers for protected ground soil 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 also used as a feed supplement for animals. In addition, it is used in industry.

SICO-SOLUMAP 12.61.0 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 SICO-SOLUMAP 12.61.0 is ensured and absorption into impregnated materials such as fabrics, plywood or wood is improved.

2. PRODUCT SPECIFICATIONS – QUALITY CHARACTERISTICS

* Indicative chemical analysis

- Total nitrogen N, %	12	- Fluorine (F), ppm, max	200
- P2O5, %	61	- Lead (Pb), ppm, max	10
- Humidity, %, max	0.1	- Cadmium (Cd), ppm, max	0.4
- Insolubles, %, max	0.04	- Mercury (Hg), ppm, max	0.1
- pH of 0.1 M solution	4.3-4.5	- Arsenic (As), ppm, max	10
- Turbidity, NTU, max	25		
- Solubility in water at 20 °C, g/1000 cm ³	350		

* Physical properties

- Appearance	white crystals
- Friability, %	100

3. STORAGE

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.

4. PACKING

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.



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