

## Specification

<b>Product name</b>	Monoammonium phosphate (MAP)
<b>Name according to IUPAC</b>	ammonium dihydrogen phosphate
<b>CAS number</b>	7722-76-1
<b>EC number</b>	231-764-5
<b>Chemical formula</b>	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub>

№	Parameter name	Value for the brand			Unit of measurement
		T-MAP Premium	T-MAP	Technical-MAP	
1	Mass fraction of monoammonium phosphate: converted to NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub>	99,5	99,0	98,0	%, not less
	in terms of P <sub>2</sub> O <sub>5</sub>	61±1	61±1	60±1	%
	in terms of nitrogen (N)	12±1	12±1	12±1	%
2	Mass fraction of water	0,10	0,10	0,15	%, no more
3	Mass fraction of fluorine	0,005	0,02	0,08	%, no more
4	Indicator of the activity of hydrogen ions 0.1 % solution	4,3-4,5	4,3-4,5	-	pH units
5	Particle size: - mass fraction of particles up to 4 mm in size, not less than - mass fraction of particles from 4 mm to 7 mm in size, not less than - more than 7 mm	97 3 0			%
6	Turbidity of 20 % solution	10	25	-	units NTU, no more
7	Mass fraction of water-insoluble residue	0,02	0,04	0,4	%, no more
8	Mass fraction of arsenic	0,0002	0,0003	0,0003	%, no more
9	Mass fraction of lead	0,0004	0,0004	0,001	%, no more
10	Mass fraction of cadmium	0,00001	0,00001	0,0005	%, no more
11	Mass fraction of mercury	0,00001	0,00001	0,0005	%, no more
12	Specific activity of natural radionuclides	1,0			kBq / kg, no more

Note:

- As agreed with the consumer, the mass fraction of water-insoluble residue is not more than 0.02 - 0.04%. Control according to the manufacturer's documentation.
- Products intended for export must comply with the requirements of the agreement (contract) between the supplier and the buyer. It is allowed to change the mass fraction of chemicals in accordance with the requirements of the agreement (contract) when using the main components of raw materials specified in the technical specifications. Control according to the manufacturer's documentation.
- When delivering a product for export, the permissible content of impurities is established in accordance with the requirements of the legislation of the importing country and international legislation. "

## **Product information:**

1. **Packing:** as agreed with the consumer.
  2. **Transportation:** Transportation by all types of transport in accordance with the rules for the carriage of goods in force for these types of transport.
  3. **Serial number (lot):** see the date of manufacture on the package.
  4. **Expiry date:** not limited.
  5. **Warranty period of storage:** 1 year (12 months) from the date of manufacture, subject to the conditions of transportation and storage.
  6. **Application:** Detailed information on the safe use of the product is available in SDS, which is provided upon the request of the Consumer.
  7. **Information:** The quality management system is certified for compliance with the requirements of ISO 9001: 2015.
- Reach registration number 01-2119488166-22-0061.