



**KAZPHOSPHATE**

**KAZPHOSPHATE IS ONE OF THE LARGEST PRODUCERS  
OF PHOSPHATE-BASED FERTILIZERS AND FEED  
PHOSPHATES IN THE CIS AND EUROPE.**

**[WWW.KPP.KZ](http://WWW.KPP.KZ)**



# Ammophos

## Monoammonium phosphate (MAP)

Chemical formula:  
Mixture ( $\text{NH}_4\text{H}_2\text{PO}_4 + (\text{NH}_4)_2\text{HPO}_4$ )

**GRADE:** High grade, grade B

**Usage:** : Ammophos (MAP) is used in agriculture as the main food source. Due to its unique composition, Ammophos (MAP) replenishes the necessary reserves of nitrogen and phosphorus in the soil to increase the productivity of various plant crops. It is used for pre-sowing fertilizing and seedbed dressing in all soil and climatic zones of the country.

**REACH:** 01-2119488166-29-0041

**GOST** 18918-85



**Packaging:** Polypropylene or polyethylene bags with a net weight of 50 kg, soft containers of the "Big Bag" type with a net weight of 800 kg and 900 kg.

### PHYSICO-CHEMICAL INDICATORS:

No	Name of parameters	Norms
1	Mass fraction of assimilable phosphates, %	≥46
2	Mass fraction of total nitrogen (N), %	10±1
3	Mass fraction of water, %, no more	1,0
4	Granulometric composition, mass fraction of granules in size:	
	- less than 1 mm, %, not more	3
	- 1 to 4 mm, %, not less	95
	- less than 6 mm, %	100
5	Static strength of granules, MPa (kgf/cm <sup>2</sup> ), not less	3,0 (30)
6	Friability, %	100
7	Specific activity of natural radionuclides Bq/kg, not more	4000

# Sulfoammophos from Karatau phosphorites

Chemical formula:

Mixture  $(\text{NH}_4\text{H}_2\text{PO}_4 + (\text{NH}_4)_2\text{SO}_4)$

**TYPES OF MARK:** NP(S) 16:20(12), NP(S) 18:18(16)

**Usage:** Sulfoammophos is a complex three-component fertilizer that contains phosphorus, nitrogen and sulfur. It is used in agriculture as a universal granular fertilizer for various crops.



ST RK 2303-2022

**Packaging:** Polypropylene or polyethylene bags with a net weight of 50 kg, soft containers of the "Big Bag" type with a net weight of 800 kg and 900 kg.

## PHYSICO-CHEMICAL INDICATORS:

№	Name of parameters	Norm for the mark	
		NP(S) 16:20(12)	NP(S) 18:18(16)
1	Appearance	Granular product	
2	Mass fraction of total nitrogen (N),%	16±1	18±1
3	Mass fraction of total phosphates in terms of P <sub>2</sub> O <sub>5</sub> , %	20±1	18±1
4	Mass fraction of sulphate sulfur, in terms of (S), %	12±1	16±1
5	Mass fraction of water, %, not more	1,0	1,0
6	Granulometric composition, mass fraction of granules in size:		
	- less than 1 mm, %, not more	3	3
	- from 1 to 4 mm, %, not less	95	95
	- less than 6 mm, %	100	100
7	Static strength of granules, MPa (kgf/cm <sup>2</sup> ), not less	3,0 (30)	3,0 (30)
8	Friability, %	100	100
9	Specific activity of natural radionuclides Bq/kg, not more	4000	4000



# Tricalcium phosphate feed

Chemical Formula:  $\text{Ca}_3(\text{PO}_4)_2$

**GRADE:** First grade

**Usage:** It is used as a mineral top dressing for farm animals, in the production of compound feeds, as a phosphorus-containing fertilizer for all vegetable, fruit and berry or decorative crops.

ST RK 2212-2012

**Packaging:** Polypropylene or polyethylene bags with a net weight of 50 kg

## PHYSICO-CHEMICAL INDICATORS:

No	Name of parameters	Norms
1	Mass fraction of phosphorus soluble in 0.4% hydrochloric acid solution, %	
	- in terms of $\text{P}_2\text{O}_5$	27±1
	- in terms of P, not less	11,3
2	Mass fraction of calcium, %, not less	30
3	Mass fraction of water, %, not more	1
4	Mass fraction of fluorine, %, not more	0,2
5	Mass fraction of arsenic, %, not more	0,001
6	Mass fraction of lead, %, not more	0,002
7	Content of particles of metalomagnetic impurity:	
	- up to 2 mm inclusive, mg/kg, not more	100
	- more than 2 mm	absent
8	Mass fraction of ash insoluble in hydrochloric acid, %, not more	30
9	Granularity: residue on a sieve with holes with a diameter of 1 mm, %, not more	1
10	Total beta activity, Bq/kg, not more	600



# Phosphogypsum

Chemical formula:  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$

**Usage:** It is used in agriculture for chemical reclamation of saline and acidic soils and as a sulfur-containing fertilizer.

Phosphogypsum is a soil ameliorant. It effectively restores soil fertility, improves soil structure, reduces soil salinity, increases moisture capacity, water-air regime, reduces the leaching of humic and other elements down the soil profile. Purification of phosphogypsum is not necessary, phosphorus in its composition is absorbed by cultures.



ST RK 2208-2012

**Packaging:** Without packaging, in bulk.

**Transportation:** In open wagon, auto cars.

## PHYSICO-CHEMICAL INDICATORS:

No	Name of parameters	Norms
1	Mass fraction of the basic substance ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ) in terms of dry dihydrate, %, not less	80,0
2	Mass fraction of hygroscopic (supercrystallized) moisture, %, not more	20,0
3	Mass fraction of water-soluble fluoride compounds ( $\text{H}_2\text{SiF}_6$ ; $\text{Na}_2\text{SiF}_6$ ; HF, etc.) in terms of F, %, not more	0,3
4	Specific activity of natural radionuclides, kBq/kg, not more	4,0

## About the company

Due to its full-cycle production, Kazphosphate covers all processes from mining and processing to the manufacture and supply of high quality products.

Kazphosphate's core activities include geological exploration, mining and processing of phosphate rock, production of phosphate mineral fertilizers and feed phosphates. Products are supplied to Europe, CIS countries and Central Asia. The Company aims to further expand its sales geography in the markets of South America, Southeast Asia and the Middle East.

We focus not only on the production of quality certified products, but also on consulting support and assistance in usage.

### INTERNATIONAL CERTIFICATIONS:

ISO 9001, ISO 14001, ISO 45001, ISO 50001

### CONTACTS:

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