

Phosphate rock (Phosphorites)

Appearance: crushed grains of brown or dark gray color

Application: production of phosphate fertilizers

Chemical composition:

Indicator name	Contents	
	Minimum	Maximum
P ₂ O ₅	29.7%	30.2%
BPL (content of basic substance)	65%	66%
CO ₂	5.5%	8%
SO ₃	1.2%	2.2%
SiO ₂ TOTAL	2%	4%
CaO	50%	52%
MgO	0.3%	0.72%
Fe ₂ O ₃	0.2%	0.34%
Al ₂ O ₃	0.4%	0.8%
Na ₂ O	-	0.9%
K ₂ O	-	0.1%
F	-	3.9%
Cl (ppm)	200	300
Humidity (H ₂ O)	-	3%
C, limited (ppm)	1000	2300

Particle size distribution:

Particles size	Contents	
	Minimum	Maximum
> 4800 µm	-	1%
> 2000 µm	2%	6%
> 800 µm	8%	12%
> 500 µm	12%	18%
> 315 µm	22%	28%
> 160 µm	55%	65%
> 80 µm	90%	94%
> 40 µm	97%	99%

Packaging: in bulk