

Barite concentrate of «A» class has a fairly wide range of applications, because the content of pure substance of barium sulfate is significantly higher than in the trademarks of «B» class (BaSO₄). So barite concentrate of «A» class is used in chemical, paint and coatings, asbestos-technical and other industries; barite concentrate of «B» class is used in gas and oil producing industry and in exploration industry for preparing a weighting agent or a weighting agent for drilling fluids.

Physicochemical parameters of barite concentrate of «A» class should conform to the standards specified in Table.

Normalized quality data of barite concentrates of "A" class according to GOST 4682-84:

№	Parameter	Standart of the mark					
		CB-1	CB-2	CB-3	CB-4	CB-5	CB-6
1.	Fraction of total mass,% : BaSO ₄ , min	95	92	92	87	85	80
2.	Fraction of total mass,% : SiO ₂ . %, max	1,5	1,5	2,5	3,5	4,0	4,5
3.	Fraction of total mass,% : FeO ₃ %, max	0,5	1,0	1,5	2,0	2,5	2,5
4.	Fraction of total mass calcium and magnesium in the count on the CaO,% :	0,5	1,0	1,5	6,0	7,0	7,0
5.	Humidity in the dry production, %	2	2	2	2	2	2
6.	pH Index	6÷8	6÷8	6÷8	6÷8	6÷8	6÷8

* Standards for indicators of sub-items 1-4 of Table are given on a dry basis.

** The supply of dried barite concentrates with humidity not more than 12% is permitted by agreement with the customer.

Physicochemical parameters of barite concentrate of "B" class should conform to the standards specified in Table.

Normalized quality data of barite concentrates of "B" class according to GOST 4682-84:

№	Parameter	Standart of the mark		
		CB-3	CB-5	CB-6
1.	Fraction of total mass,% : BaSO ₄ , min	90	85	80
2.	Fraction of total water-soluble materials, fraction of water-soluble calcium	0,35 0,05	0,45 0,05	0,45 0,05
3.	Humidity in the dry production, %	2	2	2
4.	Particle Size Distribution, >0071K μ, GOST 6613-86, %, max	6	6	6
5.	Density, g/sm ³ , min	4,2	4,1	4,0
6.	Fraction of total mass of 5 μ, max	10	20	20
7.	Fraction of total mass % brazil, min	6	6	6

* Standards for indicators of sub-items 1-4 of Table are given on a dry basis.