

TECHNICAL SULFUR TDS 1017-2017



№	Description of index	Standard value				
		Sort 9998	Sort 9995	Sort 9990	Sort 9950	Sort 9920
1	Mass fraction of sulfur, %, not less than	99,98	99,95	99,90	99,50	99,20
2	Ash content, %, not more than	0,02	0,03	0,05	0,2	0,4
3	Mass fraction of organic substances, %, not more than	0,01	0,03	0,06	0,25	0,5
4	Mass fraction of acids when calculating sulfuric acid, %, not more than	0,0015	0,003	0,004	0,01	0,02
5	Mass fraction of arsenic, %, not more than	0,0000	0,0000	0,000	0,000	0,03
6	Mass fraction of selenium, %, not more than	0,000	0,000	0,000	0,000	0,04
7	Mass fraction of water, %, not more than	0,2	0,2	0,2	0,2	1,0
8	Mechanical impurities (paper, wood, sand, etc.)	Not allowed				

NOTE:

- Standards for indicators 1-6 are calculated for dry substances;
- For the 9998 sort of liquid sulfur, the mass fraction of ash should not exceed 0.008%, for the sorts of 9995 and 9990 should not exceed 0.01%;
- Mass fraction of arsenic and selenium is not determined in natural sulfur, which is extracted from natural sulfur ore and is extracted from natural gas from sulfur during processing, as well as from residual oil during refining. In agreement with the consumer of technical gases 9920 produced by coke chemicals, the mass fraction of arsenic is not less than 0.05%;
- Cellulose - the mass fraction of selenium in sulfur intended for the paper industry should not exceed 0.000%;
- Mass fraction of water in liquid sulfur is not regulated. It is allowed to increase the normalized humidity of the mass fraction of water in the electric siren by 2% compared to the actual mass of the phase;
- The size of the sulfur for export should not exceed 200 mm.