

## Sodium sulphate

**Formula** Na<sub>2</sub>SO<sub>4</sub>

**Regulatory and technical documentation** GOST 4166-76

**Appearance** colorless crystalline powder

### Quality indicator

Name of indicator	Requirements GOST		
	Chemically Pure Grade	Analytical Pure Grade	Pure Grade
1. Mass fraction of sodium sulphate (Na <sub>2</sub> SO <sub>4</sub> ), %, ≥	99,5	99,5	99,0
2. Mass fraction of loss on ignition, %, ≤	0,2	0,2	0,5
3. Mass fraction of water insoluble substances, %, ≤	0,005	0,005	0,010
4. Mass fraction of ammonium (NH <sub>4</sub> ), %, ≤	0,0005	0,0005	0,0005
5. Mass fraction of nitrates (NO <sub>3</sub> ), %, ≤	0,0005	0,0005	0,0010
6. Mass fraction of phosphates (PO <sub>4</sub> ), %, ≤	0,0005	0,0010	0,0020
7. Mass fraction of chlorides (Cl), %, ≤	0,0005	0,0010	0,0050
8. Mass fraction of ferrum (Fe), %, ≤	0,0005	0,0010	0,0020
9. Mass fraction of potassium (K), %, ≤	0,002	0,010	not normalized
10. Mass fraction of calcium (Ca), %, ≤	0,002	0,005	0,020
11. Mass fraction of magnesium (Mg), %, ≤	0,001	0,005	0,010
12. Mass fraction of arsenic (As), %, ≤	0,00004	0,00010	0,00010
13. Mass fraction of heavy metals (Pb), %, ≤	0,0005	0,0005	0,0020
14. Mass fraction of iodine reducing substances (O), %, ≤	0,002	not normalized	not normalized
15. pH of 5% solution of the chemical	5-8	5-8	5-8