

Sodium sulphate 10-aqueous

Formula $\text{Na}_2\text{SO}_4 \cdot 10\text{H}_2\text{O}$

Regulatory and technical documentation GOST 4171-76

Appearance colorless crystalline powder

Quality indicator

Name of indicator	Requirements GOST		
	Chemically Pure Grade	Analytical Pure Grade	Pure Grade
1. Mass fraction of 10-aqueous sodium sulfate ($\text{Na}_2\text{SO}_4 \cdot 10 \text{H}_2\text{O}$), %	99-102	99-102	98-102
2. Mass fraction of water insoluble substances, %, ≤	0,002	0,002	0,01
3. Mass fraction of ammonium (NH_4), %, ≤	0,0002	0,0005	0,002
4. Mass fraction of nitrates (NO_3), %, ≤	0,0005	0,0005	0,002
5. Mass fraction of phosphates (PO_4), %, ≤	0,0003	0,001	0,002
6. Mass fraction of chlorides (Cl), %, ≤	0,0003	0,0005	0,002
7. Mass fraction of ferrum (Fe), %, ≤	0,0001	0,0001	0,0008
8. Mass fraction of magnesium (Mg), %, ≤	0,0005	0,001	0,002
9. Mass fraction of potassium (K), %, ≤	0,002	0,005	not normalized
10. Mass fraction of calcium (Ca), %, ≤	0,001	0,001	0,005
11. Mass fraction of arsenic (As), %, ≤	0,00004	0,00004	0,0003
12. Mass fraction of heavy metals (Pb), %, ≤	0,0001	0,0001	0,002
13. pH of 5% solution	5-8	5-8	5-8
14. Mass fraction of iodine reducing substances (O), %, ≤	0,0008	not normalized	not normalized