

Sodium carbonate

Formula Na_2CO_3

Regulatory and technical documentation GOST 83-79

Appearance white granular powder

Quality indicator

Name of indicator	Requirements GOST		
	Chemically Pure Grade	Analytical Pure Grade	Pure Grade
1. Mass fraction of sodium carbonate (Na_2CO_3) in the calcined chemical, %, \geq	99,8	99,8	99,8
2. Mass fraction of losses on ignition, %, \leq	0,25	0,5	0,5
3. Mass fraction of water insoluble substances, %, \leq	0,004	0,007	0,02
4. Mass fraction of total nitrogen (N), %, \leq	0,001	0,001	not normalized
5. Mass fraction of silicon acid (SiO_2), %, \leq	0,003	0,003	0,01
6. Mass fraction of total sulfur in terms of (SO_4), %, \leq	0,002	0,005	0,01
7. Mass fraction of phosphates (PO_4), %, \leq	0,001	not normalized	not normalized
8. Mass fraction of chlorides (Cl), %, \leq	0,001	0,002	0,005
9. Mass fraction of aluminum (Al), %, \leq	0,0003	0,001	not normalized
10. Mass fraction of ferrum (Fe), %, \leq	0,0003	0,0005	0,001
11. Mass fraction of potassium (K), %, \leq	0,005	0,005	not normalized
12. Mass fraction of calcium and magnesium in terms of (Mg), %, \leq	0,005	0,01	not normalized
13. Mass fraction of arsenic (As), %, \leq	0,00002	0,00002	0,00005
14. Mass fraction of heavy metals (Pb), %, \leq	0,0005	0,0005	0,001