

Sodium carbonate 10-aqueous

Formula $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$

Regulatory and technical documentation GOST 84-76

Appearance colorless transparent crystals

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 loss on ignition, %	62,8-63,8	62,3-64,2	61,7-64,6
3. Mass fraction of water insoluble substances, %, \leq	0,002	0,003	0,010
4. Mass fraction of total nitrogen (N), %, \leq	0,0005	0,0005	0,0010
5. Mass fraction silicon acid (SiO_2), %, \leq	0,0005	0,001	0,005
6. Mass fraction of total sulfur (SO_4), %, \leq	0,001	0,001	0,006
7. Mass fraction of phosphates (PO_4), %, \leq	0,0003	0,0003	0,0020
8. Mass fraction of chlorides (Cl), %, \leq	0,0005	0,0010	0,0030
9. Mass fraction aluminum (Al), %, \leq	0,0005	0,0005	0,0030
10. Mass fraction of ferrum (Fe), %, \leq	0,0002	0,0002	0,0010
11. Mass fraction of potassium (K), %, \leq	0,001	0,001	0,010
12. Mass fraction of calcium and magnesium in terms of (Mg), %, \leq	0,004	0,006	0,020
13. Mass fraction of arsenic (As), %, \leq	0,00001	0,00001	0,00003
14. Mass fraction of heavy metals (Pb), %, \leq	0,0002	0,0003	0,0005