



Magnesium carbonate basic for optical ceramics

Formula $m\text{MgCO}_3 \cdot n\text{Mg(OH)}_2 \cdot n\text{H}_2\text{O}$

Regulatory and technical documentation Specification TU 6-09-4767-88

Appearance white powder

Quality indicator

Name of indicator	Requirements TU
1. Mass fraction of magnesium (Mg), %	24,5-27,0
2. Mass fraction of substances insoluble in HCl, %, ≤	0,005
3. Mass fraction of silicon (Si), %, ≤	0,01
4. Mass fraction of nitrogen total (N), %, ≤	0,005
5. Mass fraction of sulfur total (SO ₄), %, ≤	0,005
6. Mass fraction of phosphates (PO ₄), %, ≤	0,003
7. Mass fraction of chlorides (Cl), %, ≤	0,005
8. Mass fraction of aluminum (Al), %, ≤	0,001
9. Mass fraction of calcium (Ca), %	0,06-0,16
10. Mass fraction of ferrum (Fe), %, ≤	0,0004
11. Mass fraction of the sum of potassium and sodium (K+Na), %, ≤	0,2
12. Screenings on a sieve with a mesh № 018, %, ≤	5