



## Magnesium oxide for forsterite ceramics

Formula MgO

Regulatory and technical documentation Specification TU 6-09-4835-82

Appearance white powder

### Quality indicator

Name of indicator	Requirements TU
1. Mass fraction of magnesium oxide (MgO), %, $\leq$	92,0
2. Mass fraction of losses on ignition, %, $\leq$	6,0
3. Mass fraction of insoluble substances in hydrochloric acid, %, $\leq$	0,05
4. Mass fraction of water-soluble substances, %, $\leq$	0,75
5. Mass fraction of silicon acid and precipitated with ammonia substances, %, $\leq$	0,1
6. Mass fraction of total sulfur (SO <sub>4</sub> ), %, $\leq$	0,03
7. Mass fraction of phosphates (PO <sub>4</sub> ), %, $\leq$	0,01
8. Mass fraction of chlorides (Cl), %, $\leq$	0,03
9. Mass fraction barium (Ba), %, $\leq$	0,01
10. Mass fraction of ferrum (Fe), %, $\leq$	0,01
11. Mass fraction of heavy metals (Pb), %, $\leq$	0,01
12. Mass fraction of calcium (Ca), %, $\leq$	0,5
13. Specific surface area by iodine number, mg-EQ/100g MgO, %, $\geq$	60