

Magnesium oxide

Formula MgO

Regulatory and technical documentation GOST 4526-75

Appearance white powder

Quality indicator

| Name of indicator | Requirements GOST | | | |
|--|--|--|--|--|
| | Analytical Pure Grade | Pure Grade | Analytical Pure Grade without sulfur | Pure Grade without sulfur |
| | OKP (Russian Classification of Products) 26 1121 0472 09 | OKP (Russian Classification of Products) 26 1121 0471 10 | OKP (Russian Classification of Products) 26 1121 0492 05 | OKP (Russian Classification of Products) 26 1121 0491 06 |
| 1. Mass fraction of magnesium oxide (MgO), %, \geq | 98 | 97 | 98 | 97 |
| 2. Mass fraction of insoluble substances in hydrochloric acid, %, \leq | 0,005 | 0,02 | 0,005 | 0,02 |
| 3. Mass fraction of water-soluble substances, %, \leq | 0,4 | 0,8 | 0,4 | 0,8 |
| 4. Mass fraction of loss on ignition, %, \leq | 2 | 3 | 2 | 3 |
| 5. Mass fraction of total sulfur (SO), %, \leq | 0,005 | 0,05 | 0,002 | 0,002 |
| Mass fraction of phosphates (PO), %, \leq | 0,002 | 0,005 | 0,002 | 0,005 |
| Mass fraction of chlorides (Cl), %, \leq | 0,004 | 0,02 | 0,004 | 0,02 |
| Mass fraction of arsenic (As), %, \leq | 0,00005 | 0,0001 | 0,00005 | 0,0001 |
| Mass fraction of calcium (Ca), %, \leq | 0,005 | 0,01 | 0,005 | 0,01 |
| Mass fraction of aluminum (Al), %, \leq | 0,01 | 0,03 | 0,01 | 0,03 |
| Mass fraction of barium (Ba), %, \leq | 0,003 | 0,005 | 0,003 | 0,005 |
| Mass fraction of ferrum (Fe), %, \leq | 0,005 | 0,01 | 0,005 | 0,01 |
| Mass fraction of silicon (Si), %, \leq | 0,02 | 0,03 | 0,02 | 0,03 |
| Mass fraction of copper (Cu), %, \leq | 0,0005 | 0,005 | 0,0005 | 0,005 |
| Mass fraction of plumbum (Pb), %, \leq | 0,001 | 0,002 | 0,001 | 0,002 |