

## SPECIFICATION

## Magnesium Oxide

## Guaranteed Reagent

| REQUIREMENT                        | SPECIFICATION         |
|------------------------------------|-----------------------|
| * Appearance                       | White powder          |
| * Bulk density                     | min.0.17g/mL          |
| Assay (MgO)                        | min.98.0%(mass/mass)  |
| Hydrochloric acid-insoluble matter | max.0.01%(mass/mass)  |
| Water-soluble matter               | max.0.4%(mass/mass)   |
| Loss on ignition at 800°C          | max.2.0%(mass/mass)   |
| Chloride (Cl)                      | max.0.01%(mass/mass)  |
| Sulfate (SO <sub>4</sub> )         | max.0.02%(mass/mass)  |
| Carbonate                          | to pass test          |
| Nitrogen compounds (as N)          | max.0.002%(mass/mass) |
| Sodium (Na)                        | max.0.2%(mass/mass)   |
| Potassium (K)                      | max.0.005%(mass/mass) |
| Copper (Cu)                        | max.0.001%(mass/mass) |
| Calcium (Ca)                       | max.0.02%(mass/mass)  |
| Strontium (Sr)                     | max.0.005%(mass/mass) |
| Barium (Ba)                        | max.0.005%(mass/mass) |
| Zinc (Zn)                          | max.0.002%(mass/mass) |
| Lead (Pb)                          | max.0.003%(mass/mass) |
| Arsenic (As)                       | max.1ppm(mass/mass)   |
| Iron (Fe)                          | max.0.005%(mass/mass) |

JIS K 8432:2017

(\*:Additional test performed by Wako but not required by JIS)

This product is heavy.