

## SPECIFICATION

## Magnesium Nitrate Hexahydrate

## Guaranteed Reagent

| REQUIREMENT  | SPECIFICATION         |
|--|-----------------------|
| * Appearance   | White crystals        |
| Assay [Mg(NO <sub>3</sub> ) <sub>2</sub> ·6H <sub>2</sub> O] | min.99.0%(mass/mass)  |
| Solubility in water  | to pass test          |
| pH of a 50g/L solution at 25°C                               | 5.0~7.0               |
| Chloride (Cl)  | max.0.001%(mass/mass) |
| Phosphate (PO <sub>4</sub> )                                 | max.5ppm(mass/mass)   |
| Sulfate (SO <sub>4</sub> )                                   | max.0.003%(mass/mass) |
| Sodium (Na)  | max.0.002%(mass/mass) |
| Potassium (K)  | max.0.002%(mass/mass) |
| Calcium (Ca)   | max.0.01%(mass/mass)  |
| Strontium (Sr)   | max.0.002%(mass/mass) |
| Barium (Ba)  | max.0.002%(mass/mass) |
| Zinc (Zn)  | max.0.002%(mass/mass) |
| Lead (Pb)  | max.5ppm(mass/mass)   |
| Arsenic (As)   | max.1ppm(mass/mass)   |
| Manganese (Mn)   | max.0.001%(mass/mass) |
| Iron (Fe)  | max.3ppm(mass/mass)   |
| Ammonium (NH <sub>4</sub> )                                  | max.0.001%(mass/mass) |

JIS K 8567:2018

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