

## SPECIFICATION

## Potassium Nitrate

## Guaranteed Reagent

| REQUIREMENT                    | SPECIFICATION         |
|--------------------------------|-----------------------|
| * Appearance                   | White crystals        |
| Assay (KNO <sub>3</sub> )      | min.99.0%(mass/mass)  |
| Solubility in water            | to pass test          |
| pH of a 50g/L solution at 25°C | 5.0~8.0               |
| Chloride (Cl)                  | max.0.001%(mass/mass) |
| Iodate and nitrite             | to pass test          |
| Phosphate (PO <sub>4</sub> )   | max.5ppm(mass/mass)   |
| Sulfate (SO <sub>4</sub> )     | max.0.003%(mass/mass) |
| Sodium (Na)                    | max.0.005%(mass/mass) |
| Copper (Cu)                    | max.2ppm(mass/mass)   |
| Calcium (Ca)                   | max.0.001%(mass/mass) |
| Lead (Pb)                      | max.3ppm(mass/mass)   |
| Iron (Fe)                      | max.3ppm(mass/mass)   |
| Ammonium (NH <sub>4</sub> )    | max.0.001%(mass/mass) |

JIS K 8548:2023(\*:Additional test performed by Wako but not required by JIS)