

Code No.01-0323

## SPECIFICATION

## Ammonium Nitrate

## Guaranteed Reagent

| REQUIREMENT                              | SPECIFICATION                        |
|--|--------------------------------------|
| * Appearance                             | White, crystals ~ crystalline powder |
| Assay (NH <sub>4</sub> NO <sub>3</sub> ) | min.99.0%(mass/mass)                 |
| Solubility in water                      | to pass test                         |
| Residue after ignition (as sulfate)      | max.0.01%(mass/mass)                 |
| pH of a 50g/l solution at 25°C           | 4.5~6.0                              |
| Chloride (Cl)                            | max.3ppm(mass/mass)                  |
| Nitrite (NO <sub>2</sub> )               | max.2ppm(mass/mass)                  |
| Phosphate (PO <sub>4</sub> )             | max.2ppm(mass/mass)                  |
| Sulfate (SO <sub>4</sub> )               | max.0.002%(mass/mass)                |
| Copper (Cu)                              | max.2ppm(mass/mass)                  |
| Calcium (Ca)                             | max.0.001%(mass/mass)                |
| Lead (Pb)                                | max.3ppm(mass/mass)                  |
| Iron (Fe)                                | max.2ppm(mass/mass)                  |

JIS K 8545:2007(\*:Additional test performed by Wako but not required by JIS)