

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)