

SPECIFICATION

Ammonium Nitrate

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals ~ crystalline powder
Assay (NH ₄ NO ₃)	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 ₂)	max.2ppm(mass/mass)
Phosphate (PO ₄)	max.2ppm(mass/mass)
Sulfate (SO ₄)	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)