

## SPECIFICATION

## Ammonium Sulfate

## Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White crystals
Assay [(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> ]	min.99.5%(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	4.8~6.0
Chloride (Cl)	max.5ppm(mass/mass)
Nitrate	to pass test
Phosphate (PO <sub>4</sub> )	max.3ppm(mass/mass)
Sodium (Na)	max.0.005%(mass/mass)
Potassium (K)	max.0.005%(mass/mass)
Copper (Cu)	max.2ppm(mass/mass)
Magnesium (Mg)	max.5ppm(mass/mass)
Calcium (Ca)	max.0.001%(mass/mass)
Lead (Pb)	max.2ppm(mass/mass)
Arsenic (As)	max.0.2ppm(mass/mass)
Iron (Fe)	max.5ppm(mass/mass)

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