

SPECIFICATION

Ammonium Iron(II) Sulfate Hexahydrate

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	Pale bluish green, crystals ~ crystalline powder
Assay [Fe(NH ₄) ₂ (SO ₄) ₂ ·6H ₂ O]	min.99.0%(mass/mass)
Solubility in dil.sulfuric acid	to pass test
pH of a 50g/L solution at 25°C	3.0~5.0
Chloride (Cl)	max.0.001%(mass/mass)
Phosphate (PO ₄)	max.0.001%(mass/mass)
Sodium (Na)	max.0.01%(mass/mass)
Potassium (K)	max.0.01%(mass/mass)
Copper (Cu)	max.0.001%(mass/mass)
Magnesium (Mg)	max.0.01%(mass/mass)
Calcium (Ca)	max.0.01%(mass/mass)
Zinc (Zn)	max.0.003%(mass/mass)
Lead (Pb)	max.0.002%(mass/mass)
Manganese (Mn)	max.0.02%(mass/mass)
Iron(III) (Fe ³⁺)	max.0.02%(mass/mass)

JIS K 8979:2024(*:Additional test performed by Wako but not required by JIS)