

SPECIFICATION

Iron(III) Chloride Hexahydrate

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	Yellowish brown mass
Assay (FeCl ₃ · 6H ₂ O)	min.99.0%(mass/mass)
Solubility in dil.hydrochloric acid	to pass test
Acidity (as HCl)	max.0.2%(mass/mass)
Oxychloride	to pass test
Nitrogen compounds (as N)	max.0.003%(mass/mass)
Phosphate (PO ₄)	max.0.005%(mass/mass)
Sulfate (SO ₄)	max.0.005%(mass/mass)
Free chlorine	to pass test
Sodium (Na)	max.0.05%(mass/mass)
Potassium (K)	max.0.005%(mass/mass)
Copper (Cu)	max.0.005%(mass/mass)
Magnesium (Mg)	max.0.005%(mass/mass)
Calcium (Ca)	max.0.005%(mass/mass)
Zinc (Zn)	max.0.005%(mass/mass)
Lead (Pb)	max.0.005%(mass/mass)
Arsenic (As)	max.5ppm(mass/mass)
Manganese (Mn)	max.0.05%(mass/mass)
Iron(II) (Fe ²⁺)	max.0.002%(mass/mass)

JIS K 8142 : 2024(*:Additional test performed by Wako but not required by JIS)