

SPECIFICATION

Manganese(II) Sulfate Pentahydrate

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	Pale red crystals
Assay ($\text{MnSO}_4 \cdot 5\text{H}_2\text{O}$)	min.99.0%(mass/mass)
Solubility in water	to pass test
pH of a 50g/l solution at 25°C	4.0~6.5
Chloride (Cl)	max.0.001%(mass/mass)
Sodium (Na)	max.0.005%(mass/mass)
Potassium (K)	max.0.002%(mass/mass)
Copper (Cu)	max.5ppm(mass/mass)
Magnesium (Mg)	max.0.005%(mass/mass)
Calcium (Ca)	max.0.005%(mass/mass)
Zinc (Zn)	max.0.001%(mass/mass)
Lead (Pb)	max.0.001%(mass/mass)
Iron (Fe)	max.0.001%(mass/mass)
Nickel (Ni)	max.0.002%(mass/mass)
Substances reducing permanganate	to pass test

JIS K 8997:2012(*:Additional test performed by Wako but not required by JIS)