

SPECIFICATION

Magnesium Chloride Hexahydrate

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White crystals
Assay ($\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$)	min.98.0%(mass/mass)
Solubility in water	to pass test
Solubility in ethanol	to pass test
pH of a 50g/L solution at 25°C	5.0~6.5
Nitrate	to pass test
Phosphate (PO_4)	max.5ppm(mass/mass)
Sulfate (SO_4)	max.0.002%(mass/mass)
Sodium (Na)	max.0.005%(mass/mass)
Potassium (K)	max.0.005%(mass/mass)
Copper (Cu)	max.5ppm(mass/mass)
Calcium (Ca)	max.0.01%(mass/mass)
Barium (Ba)	max.0.002%(mass/mass)
Lead (Pb)	max.5ppm(mass/mass)
Manganese (Mn)	max.5ppm(mass/mass)
Iron (Fe)	max.3ppm(mass/mass)
Strontium (Sr)	max.0.005%(mass/mass)
Ammonium (NH_4)	max.0.001%(mass/mass)

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