

## TMB 045 – MAGNESIUM CHLORIDE (Hexa) (Molecular Biology Grade)

REF NO: TBL/QA/SS/LC/TMB 045	STANDARD SPECIFICATION FOR MAGNESIUM CHLORIDE (Hexa) (Molecular Biology Grade)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 045

### PRODUCT PROPERTIES

C.A.S Number	7791-18-6
Chemical Formula	MgCl <sub>6</sub> .6H <sub>2</sub> O
Formula weight	203.30
Functional Uses	NA
Standard Packaging	100gm. & 500 gm.

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Colorless crystalline powder.
Solubility	Freely soluble in water.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (5% Soln.at 25°C)	5.0 – 6.5
Sulphate (SO <sub>4</sub> )	NMT – 0.002%
Iron (Fe)	NMT – 0.0002%
Heavy Metals (Pb)	NMT – 0.0005%
Phosphate (PO <sub>4</sub> )	NMT – 0.0005%
Copper (Cu)	NMT – 0.0002%
Nitrogen Compounds (N)	NMT – 0.0002%
Manganese (Mn)	NMT – 0.0005%
Potassium (K)	NMT – 0.001%
Sodium (Na)	NMT – 0.001%
DNases/ RNases	None Detected
Assay	NLT – 99.5%

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

