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Product Specifications

Catalogue Number	49472
Product	Magnesium chloride hexahydrate
CAS Number	7791-18-6
Molecular Formula	MgCl ₂ • 6H ₂ O
Molecular Weight	203.3

Appearance	White crystalline compound Hygroscopic!
Solubility	Clear colorless solution at 10% aq. Solution
Elemental Analysis (Theory)	Nitrogen Compound : ≤ 0.0002%
Heavy Metals	≤ 0.0005% (as Pb)
Anion	Sulphate (SO ₄ ²⁻): ≤ 0.002% Phosphate (PO ₄ ³⁻): ≤ 0.0005%
Cation	Iron (Fe): ≤ 0.0002% Manganese (Mn): ≤ 0.0005% Potassium (K): ≤ 0.001% Copper (Cu): ≤ 0.0002% Sodium (Na): ≤ 0.001%
pH	5.0 - 6.5 (5% aq. solution)
DNase, RNase, Protease	Not detected
Absorbance (1M aq. Solution)	at 260 nm : ≤ 0.030 at 280 nm : ≤ 0.025
Assay by titration	Complexometric titration: 99.0 to 102.0%
Grade	Molecular biology grade
Storage	Store at RT

For Laboratory Use Only