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Product Specifications

Catalogue Number	49473
Product	Magnesium sulphate heptahydrate
CAS Number	10034-99-8
Molecular Formula	MgSO ₄ • 7H ₂ O
Molecular Weight	246.5

Appearance	White crystalline compound
Solubility	Clear colorless solution at 10% aq. Solution
Heavy Metals	≤ 0.0001% (as Pb)
Anion	Chloride (Cl) : ≤ 0.0002%
Cation	Iron (Fe): ≤ 0.0001% Copper (Cu): ≤ 0.0001% Potassium (K): ≤ 0.001% Sodium (Na): ≤ 0.001%
pH	5.0 - 8.0 (5% aq. solution)
DNase, RNase, Protease	Not detected
Absorbance (1M aq. Solution)	at 260 nm : ≤ 0.1 at 280 nm : ≤ 0.1
Insoluble material	≤ 0.003% (Water)
Assay by titration	≥ 99.5% (Complexometric titration)
Grade	Molecular biology grade
Storage	Store at RT

For Laboratory Use Only