



Product Specification

MAGNESIUM CHLORIDE FOR MOLECULAR BIOLOGY

PRODUCT CODE	959340
SYNONYMS	(Magnesium chloride hexahydrate)
C.I. NO.	--
CASR NO.	(7791-18-6)
ATOMIC OR MOLECULAR FORMULA	MgCl ₂ ·6H ₂ O
ATOMIC OR MOLECULAR WEIGHT	203.30
PROPERTIES	At 100°C loses 2H ₂ O; at 110°C begins to lose some HCl . mp~118°C (with decomposition)

MgCl₂·6H₂O

PARAMETER	LIMIT
Description	A colourless deliquescent crystals.
Solubility	10% solution in water is clear and colourless.
Minimum Assay (Complexometric)	99.0%
pH (of 5% solution in water)	6 to 7.5
Maximum Absorbance (of 1 M H ₂ O) at 260 nm	0.03
Maximum Absorbance (of 1 M H ₂ O) at 280 nm	0.025

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter	0.003%
Total nitrogen (N)	0.001%
Sulphate (SO ₄)	0.005%
Calcium (Ca)	0.005%
Copper (Cu)	0.0005%
Iron (Fe)	0.0005%
Heavy metals (as Pb)	0.0005%
Dnases,Rnases,Proteses, Phosphates	None detected.

Note(s) : Assay (if applicable) method mentioned

WARNING Hazard statements : May be harmful if swallowed Precautionary statements Prevention: ----- Response: ---IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Disposal: -----	IMDG Code :-- UN No. :-- IATA :--
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Hazard Pictogram(s) :