

MAGNESIUM SULPHATE FOR MOLECULAR BIOLOGY

PRODUCT CODE	959580	
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	(10034-99-8)	
ATOMIC OR MOLECULAR FORMULA	MgSO₄.7H₂O	
ATOMIC OR MOLECULAR WEIGHT	246.47	MgSO₄.7H₂O
PROPERTIES	Loses 4H ₂ O at 70 -80°C; loses 5 H ₂ O at 100°C; loses 6 H ₂ O at 120°C; loses last H ₂ O at 250°C; Noncombustible.	
PARAMETER	LIMIT	
Description	Colourless efflorescent crystalline powder.	
Solubility	10% solution in water is clear and colourless.	
Minimum Assay (Complexometric)	99.5%	
pH (5% solution in water)	5 - 8	
Max. Abs. 1 M aq. Soln. at 260 nm – 280 nm	0.02	
MAXIMUM LIMIT OF IMPURITIES		
Insoluble in water	0.003%	
Chloride (Cl)	0.0002%	
Nitrate (NO ₃)	0.001%	
Phosphate (PO ₄)	0.001%	
Copper (Cu)	0.0002%	
Iron (Fe)	0.0001%	
Heavy metals (as Pb)	0.0002%	
Potassium (K)	0.005%	
Sodium (Na)	0.005%	
RNases, DNases, Protease	None detected.	
WARNING		
Hazard statements : Causes eye irritation		
Precautionary statements		
Prevention : Wash hands thoroughly after handling.		
Response : If eye irritation persists, get medical advice/attention.IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		