



Product Specification

cdhfinechemical.com

MAGNESIUM SULPHATE FOR MOLECULAR BIOLOGY

PRODUCT CODE	959580
SYNONYMS	--
C.I. NO.	--
CASR NO.	(10034-99-8)
ATOMIC OR MOLECULAR FORMULA	MgSO ₄ .7H ₂ O
ATOMIC OR MOLECULAR WEIGHT	246.47
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 crystals or white crystalline powder.
Solubility	10% solution in water is clear and colourless.
Minimum Assay (Complexometric; Cal.on dried substance)	99.5%
pH (5% solution in water)	5.0-8.2
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%
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.	

Replace date 08-Nov-2025