

MAGNESIUM SULPHATE HEPTAHYDRATE AR/ACS MEETS ANALYTICAL SPECIFICATION OF IP, BP, USP, Ph. Eur.

PRODUCT CODE	568325	
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	(10034-99-8)	
ATOMIC OR MOLECULAR FORMULA	MgSO ₄ ·7H ₂ O	
ATOMIC OR MOLECULAR WEIGHT	246.47	MgSO ₄ ·7H ₂ O
PROPERTIES	Loses 4H ₂ O at 70 -80°C; loses 5H ₂ O at 100°C; loses 6H 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.	
Identification	Passes test.	
Minimum Assay (Complexometric; Cal.on dried substance)	99.5 - 103.0%	
pH (5% soln. in water)	5.0 – 8.2	
MAXIMUM LIMIT OF IMPURITIES		
Loss on drying(at 110 for 1 hr,then ignite at 400°C)	48 – 52%	
Insoluble matter	0.005%	
Acidity (H ₂ SO ₄)	0.0025%	
Alkalinity (MgO)	0.004%	
Ammonium (NH ₄)	0.002%	
Chloride (Cl)	0.0005%	
Nitrate (NO ₃)	0.002%	
Calcium (Ca)	0.02%	
Iron (Fe)	0.0005%	
Heavy metals (as Pb)	0.001%	
Manganese (Mn)	0.0005%	
Potassium	0.005%	
Sodium	0.005%	
Strontium	0.005%	
Organic volatile impurities	Meets the requirement	
Note(s) : 1] Assay (if applicable) method mentioned.		
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. Disposal : -----		IMDG Code : UN No. : IATA :



Product Specification

cdhfinechemical.com

Hazard Pictogram(s) :

Replace date 08-Nov-2025