

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	MgSO₄.7H₂O
ATOMIC OR MOLECULAR WEIGHT	246.47	
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	0.003%	
Acidity (H ₂ SO ₄)	0.0025%	
Alkalinity (MgO)	0.004%	
Ammonium (NH ₄)	0.002%	
Chloride (Cl)	0.0005%	
Nitrate (NO ₃)	0.001%	
Phosphate (PO ₄)	0.001%	
Arsenic (As)	0.00004%	
Calcium (Ca)	0.005%	
Copper (Cu)	0.0002%	
Iron (Fe)	0.0005%	
Heavy metals (as Pb)	0.001%	
Manganese (Mn)	0.0005%	
Potassium	0.005%	
Selenium	0.003%	
Sodium	0.005%	
Strontium	0.005%	
Zinc (Zn)	0.0005%	
Organic volatile impurities	Meets the requirement	



Product Specification

cdhfinechemical.com

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 :

Hazard Pictogram(s) :