

MAGNESIUM CHLORIDE HEXAHYDRATE AR/ACS MEETS ANALYTICAL SPECIFICATION OF IP, BP, USP, Ph. Eur.

PRODUCT CODE	568135
SYNONYMS	--
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 decoposition)
PARAMETER	LIMIT
Description	A colourless deliquescent crystals / crystalline powder.
Solubility	10% solution in water is clear and colourless.
Identification	Passes test.
Minimum Assay (Complexometric)	99.0%
pH (5% aq. soln.)	6.0-7.5
MAXIMUM LIMIT OF IMPURITIES	
Water	51 – 55%
Water insoluble matter	0.003%
Acidity (HCl)	0.001%
Alkalinity (MgO)	0.0005%
Sulphate (SO ₄)	0.002%
Aluminium (Al)	0.0001%
Arsenic (As)	0.0001%
Barium (Ba)	0.005%
Bromide (Br)	0.05%
Calcium (Ca)	0.01%
Copper (Cu)	0.0002%
Iron (Fe)	0.0002%
Heavy metals (as Pb)	0.0002%
Potassium (K)	0.005%
Organic volatile impurities	Meets the requirement.
Zinc (Zn)	0.001%
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.	IMDG Code : UN No. : IATA :
Disposal : ----- Hazard Pictogram(s) :	

Replace Dt-01-Mar.-2025