



Specification for Magnesium Chloride, Hexahydrate, Crystal, USP, EP, BP (MA110)

Item Number	MA110
Item	Magnesium Chloride, Hexahydrate, Crystal, USP, EP, BP
CAS Number	7791-18-6
Molecular Formula	MgCl ₂ •6H ₂ O
Molecular Weight	203.30
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (USP)	98.0	101.0 %
pH (USP)	4.5	7.0
INSOLUBLE MATTER (USP)		0.005 %
SULFATE (USP)		0.005 %
BARIUM (USP)	NO TURBIDITY IS PRODUCED WITHIN 2 H.	
LIMIT OF CALCIUM (USP)		0.01%
POTASSIUM (USP)	NO TURBIDITY IS PRODUCED WITHIN 5 min.	
ASSAY (EP/BP)	98.0	101.0 %
WATER (EP/BP)	51.0	55.0 %
BROMIDES (EP/BP)		500 ppm
SULFATES (EP/BP)		100 ppm
CALCIUM (EP/BP)		0.1 %
IRON (EP/BP)		10 ppm
APPEARANCE OF SOLUTION (EP/BP)	SOLUTION IS CLEAR AND COLORLESS	
ACIDITY OR ALKALINITY (EP/BP)		0.3 mL
ELEMENTAL IMPURITIES	AS REPORTED	
IDENTIFICATION A (USP A)	POSITIVE FOR MAGNESIUM	
IDENTIFICATION B (USP B)	POSITIVE FOR CHLORIDE	
IDENTIFICATION C (EP/BP A)	51.0	55.0 %
IDENTIFICATION D (EP/BP B)	GIVES REACTION OF CHLORIDES	

Test	Specification	
	Min	Max
IDENTIFICATION E (EP/BP C)	GIVES REACTION OF MAGNESIUM	
CERTIFIED HALAL		
CERTIFIED KOSHER		
RETEST DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
MONOGRAPH EDITION.		
RESIDUAL SOLVENTS	AS REPORTED	

Spectrum Chemical Mfg Corp

<i>Corporate Headquarters:</i>	<i>West Coast Facility:</i>
769 Jersey Ave.	14422 S. San Pedro St.
New Brunswick, NJ 08901	Gardena, CA 90248
732.214.1300	310.516.8000