



Specification for Magnesium Sulfate, Heptahydrate, USP, EP, BP (MA135)

Item Number	MA135
Item	Magnesium Sulfate, Heptahydrate, USP, EP, BP
CAS Number	10034-99-8
Molecular Formula	MgSO ₄ •7H ₂ O
Molecular Weight	246.48
MDL Number	
Synonyms	Epsom Salts

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (MgSO ₄ ; ANHYDROUS BY IGNITION BASIS (USP))	98.0	102.0 %
ASSAY (MgSO ₄ ; ANHYDROUS BASIS) (EP/BP)	99.0	100.5%
pH (USP)	5.0	9.2
LOSS ON IGNITION (USP)	40.0	52.0 %
LOSS ON DRYING (EP/BP)	48.0	52.0 %
APPEARANCE OF SOLUTION (EP/BP)	CLEAR AND COLORLESS	
ACIDITY OR ALKALINITY (EP/BP)		0.2 mL
CHLORIDE (USP)		0.014 %
CHLORIDES (EP/BP)		300 ppm
IRON (Fe) (USP)		20 µg/g
IRON (Fe) (EP/BP)		20 ppm
SELENIUM (USP)		30 µg/g
ELEMENTAL IMPURITIES	AS REPORTED	
IDENTIFICATION A (USP A)	POSITIVE FOR SULFATE	
IDENTIFICATION B (USP B)	RETENTION TIME CORRESPONDS TO STANDARD	
IDENTIFICATION C (EP/BP A)	POSITIVE FOR SULFATE	
IDENTIFICATION D (EP/BP B)	POSITIVE FOR MAGNESIUM	
CERTIFIED KOSHER		
CERTIFIED HALAL		
EXPIRATION DATE		
DATE OF MANUFACTURE		

Test	Specification	
	Min	Max
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