

EM Science
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Name: Magnesium Nitrate Hexahydrate
 GR ACS
 Meets ACS Specifications

Formula: Mg(NO₃)₂·6H₂O

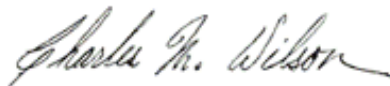
Item Number: MX0060, MX0060/5

Formula Wt: 256.41

Lot Number: 40138352

Data Order No: 00054075

CHARACTERISTIC	REQUIREMENT		RESULTS	UNITS
	Min.	Max.		
Ammonium (NH ₄)		0.001	< 0.001	%
Arsenic (As)		1	< 1	ppm
Assay (complexometric)	99.0	102.0	99.4	%
Barium (Ba)		0.002	< 0.002	%
Calcium (Ca)		0.005	< 0.005	%
Chloride (Cl)		0.001	< 0.001	%
Color			Passes test	
Form			Passes test	
Heavy metals (as Pb)		5	< 5	ppm
Insoluble matter		0.005	< 0.005	%
Iron (Fe)		5	< 5	ppm
Manganese (Mn)		5	< 5	ppm
pH of a 5% solution at 25°C	5.0	7.0	5.6	
Phosphate (PO ₄)		5	< 5	ppm
Potassium (K)		5	< 5	ppm
Sodium (Na)		5	< 5	ppm
Strontium (Sr)		0.005	< 0.002	%
Sulfate (SO ₄)		0.002	< 0.002	%



Charles M. Wilson,
 Quality Assurance Manager

Release Date: 05/17/2000

EM Science
 An Affiliate of Merck KGaA, Darmstadt, Germany