



## CERTIFICATE OF ANALYSIS

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Product	Magnesium nitrate, hexahydrate
Grade	Reagent
Product Code	MB0586
Formula	$Mg(NO_3)_2 \cdot 6H_2O$
MW	256.41
CAS#	13446-18-9
Lot No	

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Test Items	Specifications	Results
Appearance	White crystals	
Assay	98.0 – 102.0 %	
pH of a 5% solution	5.0 - 8.2 at 25 °C	
Insoluble Matter	≤0.005 %	
Chloride (Cl)	≤0.001 %	
Phosphate (PO <sub>4</sub> )	≤5 ppm	
Sulfate (SO <sub>4</sub> )	≤0.005 %	
Ammonium (NH <sub>4</sub> )	≤0.003 %	
Barium (Ba)	≤0.005 %	
Calcium (Ca)	≤0.01 %	
Manganese (Mn)	≤5 ppm	
Potassium (K)	≤0.005 %	
Sodium (Na)	≤0.005 %	
Strontium (Sr)	≤0.005 %	
Heavy metals (as Pb)	≤5 ppm	
Iron (Fe)	≤5 ppm	

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Storage: R.T.