



Version	02
Molecular weight	256.40
Quality Test / Release Date	12/08/2021
Molecular Formula	Mg N ₂ O ₆ · 6 H ₂ O
CAS No	13446-18-9
Linear Formula	Mg(NO ₃) ₂ ·6H ₂ O
Flash Point (°C)	93.3

Certificate of Analysis

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Catalog Number	44683	Quality Test / Release Date	12/08/2021
Lot Number	A0354189	Suggested retest date	12/08/2026
Description	Magnesium nitrate hexahydrate, for biochemistry		
Country of Origin	INDIA		
Declaration of Origin	synthetic		

BSE/TSE	
Chemical	

Result name	Specifications	Test Value
Appearance	white crystalline powder or crystals	white crystalline powder
Titration Complexometric	98 to 102 %	100.1 %
Heavy metals (as Pb)	≤5 ppm	≤5 ppm
Insoluble matter	≤0.005 %	≤0.005 %
pH	5.0 to 8.2 (25°C)	7.6 (25°C)
Chloride (Cl)	≤0.001 %	≤0.001 %
Phosphate (PO ₄)	≤0.0005 %	≤0.0005 %
Sulfate (SO ₄)	≤0.005 %	≤0.005 %
Ammonium (NH ₄)	≤0.003 %	≤0.003 %
Barium (Ba)	≤0.005 %	≤0.001 %
Calcium (Ca)	≤0.01 %	≤0.002 %
Manganese (Mn)	≤0.0005 %	≤0.00007 %
Potassium (K)	≤0.005 %	≤0.0003 %
Sodium (Na)	≤0.005 %	≤0.002 %
Iron (Fe)	≤0.0005 %	≤0.0005 %
Strontium (Sr)	≤0.005 %	≤0.001 %



C. Wygaerts, QA Manager

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