

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

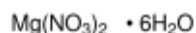
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Magnesium nitrate hexahydrate - ACS reagent, 99%

Product Number: 237175
CAS Number: 13446-18-9
MDL: MFCD00149779
Formula: MgN2O6 · 6H2O
Formula Weight: 256.41 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form) Chips or Crystals	Conforms to Requirements
X-Ray Diffraction	Conforms to Structure
Calcium (Ca)	≤ 0.01 %
Barium	≤ 0.005 %
Iron (Fe)	≤ 5 ppm
Heavy Metal by ICP-OES	≤ 5 ppm
Potassium (K)	≤ 0.005 %
Manganese (Mn)	≤ 5 ppm
Sodium (Na)	≤ 0.005 %
Strontium (Sr)	≤ 0.005 %
Insoluble matter C= 10%, H2O	≤ 0.005 %
Chloride Content	≤ 0.001 %
Ammonia (NH ₄)	≤ 0.003 %
Phosphate	≤ 5 ppm
Sulfate	≤ 0.005 %
pH C= 5%, H2O @ 25 Deg C	5.0 - 8.2
Compleximetric EDTA	98.0 - 102.0 %
Meets ACS Requirements	Current ACS Specification

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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Product Specification

Product Name:

Magnesium nitrate hexahydrate - ACS reagent, 99%

Product Number:**237175** $\text{Mg}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$

CAS Number:

13446-18-9

MDL:

MFCD00149779

Formula:

 $\text{MgN}_2\text{O}_6 \cdot 6\text{H}_2\text{O}$

Formula Weight:

256.41 g/mol

TEST**Specification**

Specification: PRD.1.ZQ5.1000023767

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