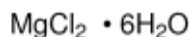


## Certificate of Analysis

Product Name:

Magnesium chloride hexahydrate - ACS reagent, 99.0-102.0%

Product Number: M9272  
Batch Number: BCCM6360  
Brand: SIGALD  
CAS Number: 7791-18-6  
Formula:  $\text{Cl}_2\text{Mg} \cdot 6\text{H}_2\text{O}$   
Formula Weight: 203,30 g/mol  
Quality Release Date: 17 JAN 2025  
Recommended Retest Date: NOV 2029



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Crystals
May Agglomerate		
Titration with EDTA	99.0 - 102.0 %	100.4 %
ICP Major Analysis	Corresponds to Requirements	Corresponds
Confirms Magnesium		
Note	Corresponds to Requirements	Corresponds
Confirms Chloride		
Meets ACS Requirements	Corresponds to Requirements	Corresponds
ACS Specifications	Corresponds to Requirements	Corresponds
Insoluble Matter < = 0.005 %/Nitrate (NO3) < = 0.001 %		
Barium (Ba)	≤ 0.005 %	< 0.005 %
Calcium (Ca)	≤ 0.01 %	< 0.01 %
Iron (Fe)	≤ 5 ppm	< 5 ppm
Potassium (K)	≤ 0.005 %	< 0.005 %
Manganese (Mn)	≤ 5 ppm	< 5 ppm
Sodium (Na)	≤ 0.005 %	< 0.005 %
Strontium (Sr)	≤ 0.005 %	< 0.005 %
Total Phosphorus	≤ 5 ppm	< 5 ppm
as PO4 (ICP)		
Total Sulfur	≤ 0.002 %	< 0.002 %
as SO4 (ICP)		
Heavy Metal	≤ 5 ppm	< 5 ppm

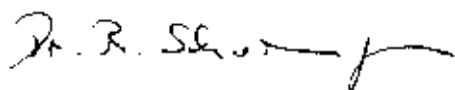
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical 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.



## Certificate of Analysis

Product Number: M9272  
Batch Number: BCCM6360

Test	Specification	Result
Ammonia (NH <sub>4</sub> ) (Ion Chromatography)	≤ 0.002 %	< 0.002 %



Dr. Reinhold Schwenninger  
Quality Assurance  
Buchs, Switzerland CH

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](http://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.

