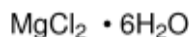


Certificate of Analysis

Product Name:

Magnesium chloride hexahydrate - ACS reagent, 99.0-102.0%

Product Number: M9272
Batch Number: BCCH5856
Brand: SIGALD
CAS Number: 7791-18-6
Formula: $\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$
Formula Weight: 203.31 AMU
Quality Release Date: 06 MAY 2022
Recommended Retest Date: MAR 2027



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Crystals
May Agglomerate		
Titration with EDTA	99.0 - 102.0 %	100.2 %
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

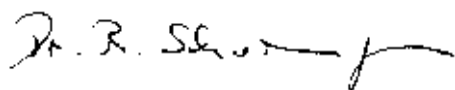
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser 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: BCCH5856

Test	Specification	Result
Ammonia (NH ₄) (Ion Chromatography)	$\leq 0.002 \%$	$< 0.002 \%$



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

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