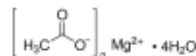


Certificate of Analysis

Product Name:

Magnesium acetate tetrahydrate - ACS reagent, ≥98%

Product Number: 228648
Batch Number: MKCM9650
 Brand: SIGALD
 CAS Number: 16674-78-5
 MDL Number: MFCD00149214
 Formula: C₄H₆MgO₄ · 4H₂O
 Formula Weight: 214.45 g/mol
 Quality Release Date: 05 AUG 2020
 Recommended Retest Date: JUL 2024



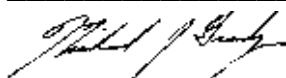
Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Conforms to Requirements	Powder
Crystals, Powder or Crystalline Powder		
X-Ray Diffraction	Conforms to Structure	Conforms
Complexometric EDTA	98.0 - 102.0 %	98.3 %
Insoluble Matter	≤ 0.005 %	< 0.005 %
Barium (Ba)	≤ 0.001 %	< 0.001 %
Calcium (Ca)	≤ 0.01 %	< 0.01 %
Chloride Content	≤ 0.001 %	< 0.001 %
Iron (Fe)	≤ 5 ppm	< 2 ppm
Heavy Metals (as Lead)	≤ 5 ppm	< 1 ppm
Manganese (Mn)	≤ 0.001 %	< 0.001 %
Potassium (K)	≤ 0.005 %	< 0.001 %
Sodium (Na)	≤ 0.005 %	< 0.001 %
Strontium (Sr)	≤ 0.005 %	< 0.001 %
Sulfate (SO ₄)	≤ 0.005 %	< 0.005 %
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period	-----	-----
4 Years		

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: 228648
Batch Number: MKCM9650



Michael Grady, Manager
Quality Control
Milwaukee, WI US

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