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Certificate of Analysis

Product Name:

Magnesium chloride hexahydrate - meets USP testing specifications

Product Number: M7304
Batch Number: SLBQ2954V
 Brand: SIAL
 CAS Number: 7791-18-6
 MDL Number: MFCD00149781
 Formula: Cl₂Mg · 6H₂O
 Formula Weight: 203.30 g/mol
 Quality Release Date: 22 JAN 2016
 Recommended Retest Date: JAN 2022

MgCl₂ · 6H₂O

Test	Specification	Result
Identity	Pass	Pass
pH	4.5 - 7.0	5.8
5% Solution		
Insoluble Matter	≤ 0.005 %	< 0.005 %
Sulfate (SO ₄)	≤ 0.005 %	< 0.005 %
Barium	Pass	Pass
Calcium (Ca)	≤ 0.01 %	< 0.01 %
Potassium	Pass	Pass
Heavy Metals	Pass	Pass
< or = 10ppm		
Residual Solvents	Meets Requirements	No Residual Solvents are Present
Assay	98.0 - 101.0 %	100.8 %



Rodney Burbach, Manager
 Analytical Services
 St. Louis, Missouri US

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.