



Certificate of Analysis

北京谨明生物科技有限公司
Beijing Jin Ming Biotechnology Co., Ltd.
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Product Name: Magnesium chloride hexahydrate - ≥99%,分子生物学级

Product Number: M14242

Lot Number: C22PB070A

CAS: 7791-18-6

Formula: $MgCl_2 \cdot 6H_2O$

Molecular Weight: 203.30

Storage at: RT

Quality Release Date: 2022-04-29

Recommended retested date: 2026-04-28

Test	Specification	Result
Appearance	White crystalline particles	White crystalline particles
Solubility(1M in H ₂ O)	Colorless Clear	Colorless Clear
Aluminum(Al)	≤5ppm	< 5ppm
Barium(Ba)	≤5ppm	< 5ppm
Bismuth(Bi)	≤5ppm	< 5ppm
Calcium(Ca)	≤50ppm	< 50ppm
Cadmium(Cd)	≤5ppm	< 5ppm
Cobalt(Co)	≤5ppm	< 5ppm
Chromium(Cr)	≤5ppm	< 5ppm
Copper(Cu)	≤5ppm	< 5ppm
Iron(Fe)	≤5ppm	< 5ppm
Potassium(K)	≤2000ppm	< 50ppm
Lithium(Li)	≤5ppm	< 5ppm
Barium(Ba)	≤5ppm	< 5ppm
Manganese(Mn)	≤5ppm	< 5ppm
Molybdenum(Mo)	≤5ppm	< 5ppm
Sodium(Na)	≤3000ppm	< 3000ppm
Nickel(Ni)	≤5ppm	< 5ppm
Lead(Pb)	≤5ppm	< 5ppm
Strontium(Sr)	≤5ppm	< 5ppm
Zinc(Zn)	≤5ppm	< 5ppm
Arsenic Traces(MHS-AAS)	≤0.1ppm	< 0.1ppm
Total sulfur(as SO ₄)	≤50ppm	< 50ppm
Total Nitrogen	≤2ppm	< 2ppm
Phosphate	≤5ppm	< 5ppm
DNAases, RNAases, Proteases, Phosphatases	N/A	N/A



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pH	5.0 - 7.5	5.7
UV Absorbance 260nm	≤0.03	0.01
UV Absorbance 280nm	≤0.025	0.01
Purity(Titration by AgNO ₃)	≥99%	99.2

Q.A.Manager:

Psaitong 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 Psaitong. 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.