

Certificate of Analysis

Date of Testing: 2022-08-08 15:37:18
 Date of Next Testing: 2026-08-07 15:37:18
 Product Name: **Magnesium chloride hexahydrate**
 CAS Number: 7791-18-6
 Specifications & Purity: ACS,99.0-102.0%
 Lot #: H2203022
 SKU #: **M116333**
Analysis: 123201
 Storage Temperature: Desiccated

Parameter	Limit Values	Result
Calcium(Ca)	0-0.01 (%)	0.01 %
Water by Karl Fischer	51.5-53.5 (%)	52.24 %
Strontium(Sr)	0-0.005 (%)	0.00 %
Assay	99-102 (%)	99.12 %
Manganese(Mn)	0-5 (ppm)	1.50 ppm
Potassium(K)	0-0.005 (%)	0.00 %
Sodium(Na)	0-0.005 (%)	0.00 %
Heavy metal (as Pb)	0-5 (ppm)	2.33 ppm
(NO ₃)Nitrate	0-0.001 (%)	0.00 %
Ammonia (NH ₄)	0-0.002 (%)	0.00 %
Iron(Fe)	0-5 (ppm)	3.50 ppm
Phosphate(PO ₄)	0-5 (ppm)	2.41 ppm
Insoluble matter in H ₂ O	0-0.005 (%)	0.00 %
Sulfate(SO ₄ ²⁻)	0-0.002 (%)	0.00 %
Barium(Ba)	0-0.005 (%)	0.00 %
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager