

Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2022-09-06 12:17:02
Date of Next Testing: 2026-09-05 12:17:02
Product Name: **Magnesium chloride hexahydrate**
CAS Number: 7791-18-6
Specifications & Purity: ACS,99.0-102.0%
Lot #: I2201733
SKU #: **M116333**
Analysis: **151477**

Parameter	Limit Values	Result
Calcium(Ca)	0-0.01 (%)	0.00380 %
Water by Karl Fischer	51.5-53.5 (%)	51.74000 %
Strontium(Sr)	0-0.005 (%)	0.00250 %
Assay	99-102 (%)	99.99770 %
Manganese(Mn)	0-5 (ppm)	2.10000 ppm
Potassium(K)	0-0.005 (%)	0.00280 %
Sodium(Na)	0-0.005 (%)	0.00330 %
Heavy metal (as Pb)	0-5 (ppm)	1.90000 ppm
(NO ₃)Nitrate	0-0.001 (%)	0.00049 %
Ammonia (NH ₄)	0-0.002 (%)	0.00100 %
Iron(Fe)	0-5 (ppm)	2.30000 ppm
Phosphate(PO ₄)	0-5 (ppm)	3.40000 ppm
Insoluble matter in H ₂ O	0-0.005 (%)	0.00260 %
Sulfate(SO ₄ ²⁻)	0-0.002 (%)	0.00100 %
Barium(Ba)	0-0.005 (%)	0.00220 %
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

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A handwritten signature in black ink that reads "John Su". The script is fluid and cursive.

John Su
QA & QC Manager