

Certificate of Analysis

Date of Testing: 2023-11-29 14:56:12
Date of Next Testing: 2027-11-28 14:56:12
Product Name: **Magnesium chloride hexahydrate**
CAS Number: 7791-18-6
Specifications & Purity: ACS,99.0-102.0%
Lot #: K2324207
SKU #: **M116333**
Analysis: **300419**
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Calcium(Ca)	0-0.01 (%)	0.00 %
Water by Karl Fischer	51.5-53.5 (%)	53.45 %
Strontium(Sr)	0-0.005 (%)	0.00 %
Assay	99-102 (%)	99.99 %
Manganese(Mn)	0-5 (ppm)	2.50 ppm
Potassium(K)	0-0.005 (%)	0.00 %
Sodium(Na)	0-0.005 (%)	0.00 %
Heavy metal (as Pb)	0-5 (ppm)	3.50 ppm
(NO ₃)Nitrate	0-0.001 (%)	0.00 %
Ammonia (NH ₄)	0-0.002 (%)	0.00 %
Iron(Fe)	0-5 (ppm)	0.00 ppm
Phosphate(PO ₄)	0-5 (ppm)	0.00 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

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager