

## Certificate of Analysis

Date of Testing: 2023-04-10 10:29:12  
Date of Next Testing: 2027-04-09 10:29:12  
Product Name: **Magnesium chloride hexahydrate**  
CAS Number: 7791-18-6  
Specifications & Purity: ACS,99.0-102.0%  
Lot #: D23031033  
SKU #: **M116333**  
**Analysis:** **208591**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Calcium(Ca)	0-0.01 (%)	0.00 %
Water by Karl Fischer	51.5-53.5 (%)	52.40 %
Strontium(Sr)	0-0.005 (%)	0.00 %
Assay	99-102 (%)	100.00 %
Manganese(Mn)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-0.005 (%)	0.00 %
Sodium(Na)	0-0.005 (%)	0.00 %
Heavy metal (as Pb)	0-5 (ppm)	2.50 ppm
(NO3)Nitrate	0-0.001 (%)	0.00 %
Ammonia (NH4)	0-0.002 (%)	0.00 %
Iron(Fe)	0-5 (ppm)	4.23 ppm
Phosphate(PO4)	0-5 (ppm)	1.23 ppm
Insoluble matter in H2O	0-0.005 (%)	0.00 %
Sulfate(SO42-)	0-0.002 (%)	0.00 %
Barium(Ba)	0-0.005 (%)	0.00 %
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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

John Su  
QA & QC Manager