

**Certificate of Analysis**

**Product: Magnesium Chloride Hexahydrate**  
**Item Number: MAGCHM**  
**Grade: Multi Compendial (ACS, USP, FCC)**  
**Lot Number: 5001808/1.1**  
**Manufacture Date: 06/20/2025**  
**Expiration Date: 06/19/2030**  
**Country of Origin: United States**

<b>Tested Property</b>	<b>Specification</b>	<b>Analysis</b>
Appearance	White crystals	Complies
Identity	To Pass Test	Passes
Appearance of solution (10% water)	Clear and colorless	Complies
Assay (MgCL <sub>2</sub> x 6H <sub>2</sub> O)	99.0-101.0%	100.5%
Water	51.0-55.0%	53.1%
pH value (5%)	4.5 - 7.0	5.5
Alkalinity (0.1 M HCl/0.5g)	≤0.3 ml	0.1 ml
Acidity (0.1 M NaOH/0.5g)	≤0.3 ml	0.1
Insoluble matter (water)	≤0.005%	<0.005%
Barium	≤50 mg/kg	<1
Calcium	≤100 mg/kg	<10
Sodium	≤50 mg/kg	<5
Potassium	≤50 mg/kg	<1
Sulfate	≤20 mg/kg	<5
Ammonium	≤20 mg/kg	<20
Phosphate	≤5 mg/kg	<5
Nitrate	≤10 mg/kg	<10
Bromide	≤500 mg/kg	<20
Aluminum	≤1 mg/kg	<1
Iron	≤5 mg/kg	<1

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Heavy metals (as Pb)	≤5 mg/kg	<2
Arsenic	≤2 mg/kg	<1
Lead	≤2 mg/kg	<1
Manganese	≤5 mg/kg	<1
Strontium	≤50 mg/kg	<1

CAS RN: 7791-18-6

### [Magnesium Chloride Hexahydrate](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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