

Certificate of Analysis

Product: Magnesium Chloride Hexahydrate

Item Number: MAGCHM

Grade: Multi Compendial (ACS, USP, FCC)

Lot Number: 5000476/1.1

Manufacture Date: 09/05/2023

Expiration Date: 07/31/2026

Country of Origin: Germany

Tested Property	Specification	Analysis
Assay ($\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$)	99.0 - 102.0%	100.7
Insoluble matter	0.005% max	< 0.005
Nitrate (NO_3)	10ppm max	<10
Phosphate (PO_4)	5ppm max	<1
Sulfate (SO_4)	20ppm max	<5
Ammonium (NH_4)	20ppm max	<20
Barium (Ba)	50ppm max	<1
Calcium (Ca)	100ppm max	<10
Manganese (Mn)	5ppm max	<1
Potassium (K)	50ppm max	<2
Strontium (Sr)	50ppm max	<1
Heavy metals (as Pb)	5ppm max	<2
Iron (Fe)	5ppm max	<1
Identification	To pass the test	Pass
Lead	2ppm max	<1
Arsenic	2ppm max	<1
Sodium	50ppm max	<2
pH of a 5% solution @25°C	4.5 - 7.0	5.6
Appearance	White crystals	Pass
Appearance of solution ,10% in water	Clear and Colorless	Pass

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Water by K-F	51.0 - 55.9%	53.6
Acidity (0.01 M NaOH/0.5g)	<0.3 ml	0.1
Alkalinity (0.01 HCl/0.5g)	<0.3 ml	0.1
Bromide	500ppm max	<20
Aluminium	1ppm max	<1

Not for drug-API use.

[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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