

Certificate of Analysis

Product: Magnesium Chloride Hexahydrate

Item Number: MAGCHM

Grade: ACS/USP

Lot Number: 215106

Manufacture Date: 04/21/2022

Expiration Date: 04/20/2025

Country of Origin: Mexico

Tested Property	Specification	Analysis
Assay (MgCl ₂ ·6H ₂ O)	99.0 % – 102.0%	100.3%
Insoluble matter	0.005% max	0.004%
Nitrate (NO ₃)	0.001% max	<0.001%
Phosphate (PO ₄)	5ppm max	<5ppm
Sulfate (SO ₄)	0.002% max	<0.002%
Ammonium (NH ₄)	0.002% max	<0.002%
Barium (Ba)	0.005% max	<0.005%
Calcium (Ca)	0.01% max	0.003%
Manganese (Mn)	5ppm max	1ppm
Potassium (K)	0.005% max	0.001%
Strontium (Sr)	0.005% max	0.001%
Heavy metals (by ISP-OES)	5ppm max	<5ppm
Iron (Fe)	5ppm max	<5ppm
Identification	To pass the test	Pass
Cadmium (Cd)	As reported	<1ppm
Mercuric (Hg)	As reported	<1ppm
Lead	As reported	<1ppm
Arsenic	As reported	<1ppm
Sodium (Na)	0.005%	0.001%
pH of a 5% solution @25°C	4.5 – 7.0	5.6

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