

## Certificate of Analysis

Item Number	Product Description	Lot Number
CPB-M24000-500GM	CHEMPURE Magnesium Chloride, Hexahydrate, 500 G	207889-249318
Formula	Molecular Weight	CAS Number
Cl <sub>2</sub> Mg • 6H <sub>2</sub> O	203.3	7791-18-6

**QC TEST/RELEASE DATE:** 03/12/2024

**SUGGESTED RETEST DATE:** 05/31/2028

S.No	Test	Unit	Specifications	Test Value
1	Appearance		White Crystals	passed
2	Ammonium	%	≤ 0.002	< 0.002
3	Assay (Titration)	%	99.0 - 102.0	99.9
4	Barium (Ba)	%	≤ 0.005	< 0.005
5	Calcium (Ca)	%	≤ 0.01	< 0.01
6	Heavy Metals (as Pb)	ppm	≤ 5	< 5
7	Insoluble Matter	%	≤ 0.005	0.003
8	Iron (Fe)	ppm	≤ 5	< 5
9	Manganese (Mn)	ppm	≤ 5	< 5
10	Nitrate	%	≤ 0.001	< 0.001
11	Phosphate (PO <sub>4</sub> )	ppm	≤ 5	< 5
12	Potassium (K)	%	≤ 0.005	< 0.005
13	Sodium (Na)	%	≤ 0.005	< 0.005
14	Solubility		Soluble (167g in 100ml water)	passed
15	Strontium	%	≤ 0.005	< 0.005
16	Sulfate	%	≤ 0.002	< 0.002
17	Grade		ACS	passed
18	BSE/TSE Free		BSE/TSE Free	passed

This is to certify that samples of the lot number above were tested and found to comply with the stated specifications. Some or all data have been provided by vendors/third parties. ChemPure Brand Chemicals expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular use or purpose. Certain products (USP/FCC/NF/EP/BP/JP grades) are sold for use in research and further manufacturing only. **NOT FOR DIRECT USE IN FOOD, DRUG, HUMANS, ANIMALS OR MEDICAL DEVICES.** Persons using this information should make their own determination regarding its suitability for their particular use.

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