

**CERTIFICATE OF ANALYSIS**

Product Name	: MAGNESIUM CHLORIDE HEXAHYDRATE 98% AR	Analyzed On	: 03-Jun-2021
Lot No.	: A363142106	Mol. Weight	: 203.30
Mol. Formula	: MgCl <sub>2</sub> .6H <sub>2</sub> O	CAS No.	: 7791-18-6
Code No.	: 04468	Exp. Date	: May-2026
Mfg. Date	: Jun-2021	UN No.	: -
HAZ. / P.G.	: -		

Sr.	Tests	Specifications	Results
1	Appearance	Colorless crystals or white crystalline powder	Colorless crystals
2	Assay	98-101.0%	99.81%
3	Alcohol insoluble matter	Passes test	Passes test
4	Insoluble matter in water	Max 0.005%	< 0.005%
5	Nitrogen compounds (as N)	Max 0.002%	< 0.002%
6	Phosphate (PO <sub>4</sub> )	Max 0.0005%	0.0004%
7	Sulphate (SO <sub>4</sub> )	Max 0.002%	0.0014%
8	Arsenic (As)	Max 0.0002%	< 0.0002%
9	Barium (Ba)	Max 0.005%	< 0.005%
10	Calcium (Ca)	Max 0.01%	0.0002%
11	Iron (Fe)	Max 0.0005%	0.00001%
12	Heavy metal (as Pb)	Max 0.0005%	< 0.0005%
13	Manganese (Mn)	Max 0.0005%	< 0.0005%
14	Potassium (K)	Max 0.005%	0.000030%
15	Sodium (Na)	Max 0.005%	0.000083%
16	Strontium (Sr)	Max 0.005%	< 0.005%
17	Water (H <sub>2</sub> O)	51 - 55%	54.9%
18	pH (5 % solution)	5.0 - 6.5	6.5
19	Bromide (Br)	Max 0.05%	< 0.05%

**CONCLUSION** -This above product complies as per the specifications of **LOBA CHEMIE PVT. LTD.**



Shashikant Gaikwad  
QC Manager

**LOBA CHEMIE PVT. LTD.**

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LOBA/QC/FM/01

04/10.03.2021