

CERTIFICATE OF ANALYSIS

Product Name : MAGNESIUM CHLORIDE HEXAHYDRATE 98% AR
Confirming to BP

Lot No. : Sample COA Analyzed On : 25-Sep-2024

Mol. Formula : MgCl₂.6H₂O Mol. Weight : 203.30

Code No. : 04468 CAS No. : 7791-18-6

Mfg. Date : Sep-2024 Exp. Date : Aug-2029

HAZ. / P.G. : - UN No. : -

Sr.	Tests	Specifications	Results
1	Appearance	Colorless crystals or white crystalline powder	White crystalline powder
2	Assay	98-101.0%	98.83%
3	Alcohol insoluble matter	Passes test	Passes test
4	Insoluble matter in water	Max 0.005%	0.0039%
5	Nitrogen compounds (as N)	Max 0.002%	< 0.002%
6	Phosphate (PO ₄)	Max 0.0005%	0.00024%
7	Sulphate (SO ₄)	Max 0.002%	0.00099%
8	Arsenic (As)	Max 0.0002%	< 0.0002%
9	Barium (Ba)	Max 0.005%	Not detected
10	Calcium (Ca)	Max 0.01%	0.00022%
11	Iron (Fe)	Max 0.0005%	Not detected
12	Heavy metal (as Pb)	Max 0.0005%	Not detected
13	Manganese (Mn)	Max 0.0005%	Not detected
14	Potassium (K)	Max 0.005%	0.00031%
15	Sodium (Na)	Max 0.005%	0.00012%
16	Strontium (Sr)	Max 0.005%	Not detected
17	Water (H ₂ O)	51 - 55%	51.23%
18	pH (5 % solution)	5.0 - 6.5	6.17
19	Bromide (Br)	Max 0.05%	< 0.05%

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



Manohar shelar
Chemist



Jagruti B. Patil
QC Manager

LOBA CHEMIE PVT. LTD.

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LOBA/QC/FM/01

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