

CERTIFICATE OF ANALYSIS

Product Name : MAGNESIUM SULPHATE HEPTAHYDRATE 99% Extra Pure
(Confirms to IP, BP, USP)

Lot No. : Sample COA Analyzed On : 15-Jul-2024

Mol. Formula : MgSO₄.7H₂O Mol. Weight : 246.47

Code No. : 04477 CAS No. : 10034-99-8

Mfg. Date : Jul-2024 Exp. Date : Jun-2029

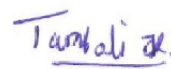
HAZ. / P.G. : - UN No. : -

Sr.	Tests	Specifications	Results
1	Appearance	Colorless crystals or a white, crystalline powder	Colorless crystals
2	Assay (on dried basis)	99.0 - 100.5%	99.9%
3	Solubility	Freely soluble in water, very soluble in boiling water, practically insoluble in alcohol	Freely soluble in water, very soluble in boiling water, practically insoluble in alcohol
4	Identifications	To comply IP, BP, USP tests	Complies
5	Appearance of solution	To comply IP, BP, USP tests	Complies
6	pH (5% solution in water)	5.0 - 9.2	5.92
7	Acidity or alkalinity	To comply IP, BP test	Complies
8	Chloride (Cl)	Max. 0.014%	0.0005%
9	Heavy metal (as Pb)	Max. 0.001%	0.00008%
10	Arsenic (As)	Max 0.0002%	<0.0002%
11	Iron (Fe)	Max 0.002%	0.0001%
12	Selenium (Se)	Max 0.003%	<0.003%
13	Loss on drying (at 450°C)	48.0 - 52.0%	49.1%

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



Nirbhay Machhi
Chemist



Javed Tamboli
QC Manager

LOBA CHEMIE PVT. LTD.

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