

CERTIFICATE OF ANALYSIS

Product Name	: MAGNESIUM SULPHATE HEPTAHYDRATE 99% Extra Pure	Analyzed On	: 08-Sep-2021
Lot No.	: L382882109	Mol. Weight	: 246.47
Mol. Formula	: MgSO ₄ .7H ₂ O	CAS No.	: 10034-99-8
Code No.	: 04477	Exp. Date	: Aug-2026
Mfg. Date	: Sep-2021	UN No.	: -
HAZ. / P.G.	: -		

Sr.	Tests	Specifications	Results
1	Appearance	Colorless crystals or a white, crystalline powder	Colorless crystals
2	Assay (on anhydrous basis)	99 - 100.5%	100.27%
3	Solubility	Freely soluble in water, very soluble in boiling water, practically insoluble in alcohol	Passes test
4	Identifications	To comply IP, BP, USP tests	Passes test
5	Appearance of solution	To comply IP, BP, USP tests	Passes test
6	pH (5% solution in water)	5.0 - 9.2	7.43
7	Acidity or alkalinity	To comply IP, BP test	Passes test
8	Chloride (Cl)	Max. 0.014%	0.014%
9	Heavy metal (as Pb)	Max. 0.001%	<0.0005%
10	Arsenic (As)	Max 0.0002%	<0.0002%
11	Iron (Fe)	Max 0.002%	0.00011%
12	Selenium (Se)	Max 0.003%	<0.003%
13	Loss on drying (at 450°C)	48.0 - 52.0%	50.99%

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



Shashikant Gaikwad
QC Manager

LOBA CHEMIE PVT. LTD.

Works : Plot No. D-22, MIDC, Tarapur Industrial Area, Tarapur, Boisar, Taluka- Palghar, Dist. Palghar, Pin-401506

Tel: 91.02525-663630/39/34

Regd Office : 107 Wode House Road, Jehanghir Villa, Colaba, Mumbai-400005

Tel: 91.22.6663 6663, Fax: 91.22.22151099

info@lobachemie.com | www.lobachemie.com

LOBA/QC/FM/01

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