



Qualikems Lifesciences Pvt. Ltd.

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CERTIFICATE OF ANALYSIS

Name of Product	: Magnesium hydroxide powder	CAS No.	: 1309-42-8
Molecular Formula	: $Mg(OH)_2$	Molecular Weight	: 58.53g/mole
Batch No.	: QF2607221	Grade	: LR
Mfg. Date	: July-2026	Retest Date	: June-2031

Sr. No.	Tests	Specification	Observation
1	Appearance	White crystalline powder	Complies
2	Assay (By complexometry)	Min 95.0 – 100.5%	96.14 %
3	Identity IR spectrum	To passes test	passes test
4	Appearance of the solution	To passes test	passes test
5	Substances soluble in water	< 1.0%	0.6 %
6	Substances insoluble in acetic acid	< 0.1%	0.04 %
7	Impurities with alkaline reaction	To passes test	passes test
8	Carbonate	To passes test	passes test
9	Chloride (Cl)	< 0.1%	< 0.1%
10	Sulphate (SO ₄)	< 0.1%	< 0.1%
11	Heavy metals (as Pb)	< 0.001%	0.0006 %
12	Copper (Cu)	To passes test	passes test
13	Arsenic (As)	0.002 %	0.001 %
14	Calcium (Ca)	< 0.5 %	0.3 %
15	Loss on ignition (800°C)	30-32.5%	31.14%
16	Bulk density	about 50g/100ml	Complies
17	Loss on drying (105°C)	< 2%	1.16%
18	Microbiological test	To passes test	passes test
19	Iron (Fe)	< 0.05%	< 0.05%

Conclusion: Product complies as per above specification.

Note: This document has been produced electronically and it is valid without signature.

Quality of our product tested and reported in the COA are as per the specification and without any prejudice/liability what so ever the end product performance.

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