Qualikems Lifesciences Pvt. Ltd.

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CERTIFICATE OF ANALYSIS

Name of Product	**:**	Magnesium Sulphate Heptahydrate	**CAS No.**	**:**	10034-99-8
Molecular Formula	**:**	$MgSO_4.7H_2O$	**Molecular Weight**	**:**	246.47 g/mole
Batch No.	**:**	QF2610201	**Grade**	**:**	LR
Mfg. Date	**:**	October-2026	**Retest. Date**	**:**	September-2031

Sr. No.	Tests	Specification	Observation
1	Appearance	White Crystalline powder	Complies
2	Assay	Min 99.0%	99.66 %
3	pH (5% aq. Solution)	5.0 – 8.2	6.10
	Maximum limits of impurities:		
4	Free alkali(as NaOH)	0.008%	0.006 %
5	Free acid(as H_2SO_4)	0.01%	0.002 %
6	Heavy metals(as Pb)	0.0005 %	0.0004 %
7	Arsenic(As)	0.0002 %	<0.0002 %
8	Chloride (Cl)	0.014%	< 0.014 %
9	Calcium(Ca)	0.01%	0.002 %
10	Iron (Fe)	0.001 %	<0.001 %
11	Selenium(Se)	0.001 %	0.0003 %
12	Loss on drying(450°C)	49 -52 %	50.10 %

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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