Qualikems Lifesciences Pvt. Ltd.

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CERTIFICATE OF ANALYSIS

Name of Product	:	Citric Acid Monohydrate	**CAS No.**	:	5949-29-1
Molecular Formula	:	$C_6H_8O_7.H_2O$	**Molecular Weight**	:	210.14 g/mole
Batch No.	:	QF2511140	**Grade**	:	LR
Mfg. Date	:	November-2025	**Retest. Date**	:	October -2030

Sr. No.	Tests	Specification	Observation
1	Appearance	White crystalline powder	Complies
2	Minimum assay(by acidimetric)	99.0 %	99.56 %
	Maximum Limits of Impurities :		
3	Insoluble matter in water	0.01 %	0.004 %
4	Chloride(Cl)	0.005 %	< 0.005 %
5	Sulphate(SO_4)	0.01%	<0.01 %
6	Oxalate(C_2O_4)	0.035%	0.018 %
7	Heavy metals(as Pb)	0.001%	0.0004 %
8	Lead(Pb)	0.001%	<0.001 %
9	Iron(Fe)	0.001%	<0.001 %
10	Zinc(Zn)	0.001%	0.0006 %
11	Arsenic(As)	0.0001%	<0.0001 %
12	Calcium(Ca)	0.02%	0.01 %
13	Barium(Ba)	0.002%	0.001 %
14	Water	7.5-8.8 %	8.14 %
15	Reaction against sulphuric acid	passes test	Passes
16	Sulphated ash (600°C)	0.05 %	0.04 %

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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