Qualikems Lifesciences Pvt. Ltd.

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CERTIFICATE OF ANALYSIS

Name of Product	:	DL-Malic Acid	**CAS No.**	:	617-48-1
Molecular Formula	:	$C_4H_6O_5$	**Molecular Weight**	:	134.09 g/mole
Batch No.	:	QF2610207	**Grade**	:	LR
Mfg. Date	:	October-2026	**Retest. Date**	:	September-2031

Sr. No.	Tests	Specification	Observation
1	Appearance	White or almost white crystalline powder	Complies
2	Minimum assay	99.0 %	99.74 %
3	Melting point	128 -130 °C	129.1° C
	Maximum Limits of Impurities:		
4	Sulphated ash	0.1 %	0.06 %
5	Chloride (HCl)	0.2 %	< 0.2 %
6	Fumaric Acid	2 %	1.10 %

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.