



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 ₄ H ₆ O ₅ | Molecular Weight | : | 134.09 g/mole |
| Batch No. | : | QF2512274 | Grade | : | LR |
| Mfg. Date | : | December-2025 | Retest Date | : | November-2030 |

| Sr. No. | Tests | Specification | Observation |
|---------|-------------------------------|--|-------------|
| 1 | Appearance | White or almost white crystalline powder | Complies |
| 2 | Minimum assay | 99.0 % | 99.56 % |
| 3 | Melting point | 128 -130 °C | 129.2° C |
| | Maximum Limits of Impurities: | | |
| 4 | Sulphated ash | 0.1 % | 0.07 % |
| 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.

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