



# Qualikems Lifesciences Pvt. Ltd.

Ho & Works : Plot No. 68-69, G.I.D.C Industrial Estate, Nandesari, Vadodara-391340 (Guj.)

Telefax : 91-265-2841531, 2841532, 2841534, 2841535

Email: salesindia@qualikems.com, www.qualikems.com

## CERTIFICATE OF ANALYSIS

|                   |   |                                 |                  |   |                |
|-------------------|---|---------------------------------|------------------|---|----------------|
| Name of Product   | : | Tetrahydrofuran GC              | CAS No.          | : | 109-99-9       |
| Molecular Formula | : | C <sub>4</sub> H <sub>8</sub> O | Molecular Weight | : | 72.11 g/mole   |
| Batch No.         | : | QF2610075                       | Grade            | : | LR             |
| Mfg. Date         | : | October-2026                    | Retest. Date     | : | September-2031 |

| Sr. No. | Tests                                        | Specification          | Observation |
|---------|----------------------------------------------|------------------------|-------------|
| 1       | Appearance                                   | Clear Colorless liquid | Complies    |
| 2       | Minimum assay (GLC)                          | 99.0 %                 | 99.86 %     |
| 3       | d <sub>20</sub> <sup>o</sup> /4 <sup>o</sup> | 1.593-1.595            | 1.594       |
|         | Maximum Limits of Impurities:                |                        |             |
| 4       | Free acid(as HCl)                            | 0.001%                 | 0.0004%     |
| 5       | Chloride (Cl)                                | 0.0001%                | <0.0001 %   |
| 6       | Chlorine                                     | 0.00003%               | 0.00001 %   |
| 7       | Non-Volatile substances                      | 0.001%                 | 0.0004%     |
| 8       | Water                                        | 0.02 %                 | 0.01 %      |
| 9       | Reaction against sulphuric acid              | passes test            | passes test |
| 10      | Aldehyde                                     | passes test            | passes test |
| 11      | Carbon disulphide                            | passes test            | passes test |
| 12      | Impurities oxidisable                        | passes test            | passes test |

**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.

Sales Office : 5531, Basti Harphool singh Sadar Thana Road, Delhi-110006, INDIA

Tel : +91-11-23618475/23618476 | Fax: +91-11-23678476

