

**Qualikems**

## Qualikems Lifesciences Pvt. Ltd.

(Formerly known as Qualikems fine chem Pvt Ltd)

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### CERTIFICATE OF ANALYSIS

|                          |   |                    |                         |   |              |
|--------------------------|---|--------------------|-------------------------|---|--------------|
| <b>Name of Product</b>   | : | Acetonitrile HPLC  | <b>CAS No.</b>          | : | 75-05-8      |
| <b>Molecular Formula</b> | : | CH <sub>3</sub> CN | <b>Molecular Weight</b> | : | 41.05        |
| <b>Batch No.</b>         | : | QF2502260          | <b>Grade</b>            | : | HPLC         |
| <b>Mfg. Date</b>         | : | February-2025      | <b>Retest Date</b>      | : | January-2030 |

| Sr. No. | Tests                           | Specification              | Observation  |
|---------|---------------------------------|----------------------------|--------------|
| 1       | Appearance                      | Clear and colorless liquid | Complies     |
| 2       | Identity (IR)                   | Passes test                | Pass         |
| 3       | Assay (GC)                      | NLT 99.9%                  | 99.94 %      |
| 4       | Density(d20/4)                  | 0.782-0.783                | 0.783        |
| 5       | Acidity                         | NMT 0.0002meq/g            | 0.0001 meq/g |
| 6       | Alkalinity                      | NMT 0.0002meq/g            | 0.0001 meq/g |
| 7       | Water                           | NMT 0.03 %                 | 0.02 %       |
| 8       | Non Volatile substances         | NMT 0.0005%                | 0.0003 %     |
| 9       | UV Transmittance at 195 nm      | NLT 75%                    | 76 %         |
| 10      | UV Transmittance at 200 nm      | NLT 95 %                   | 97%          |
| 11      | UV Transmittance at 210 nm      | NLT 96 %                   | 98 %         |
| 12      | UV Transmittance at 220 nm      | NLT 97%                    | 98.4 %       |
| 13      | UV Transmittance at 230 nm      | NLT 98%                    | 98.6 %       |
| 14      | UV Transmittance at 240 nm      | NLT 99%                    | 99.7 %       |
| 15      | Gradient elution test at 210 nm | NMT 10mAU                  | 06 mAU       |
| 16      | Gradient elution test at 254 nm | NMT 5mAU                   | 03 mAU       |

**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.

(An ISO 9001 : 2008 & 14001 : 2004 Certified Company)

\*NSIC - CRISIL SE 2B which indicates " High Performance Capability & Moderate Financial Strength\*