



# Qualikems Lifesciences Pvt. Ltd.

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## CERTIFICATE OF ANALYSIS

|                          |                                                  |                         |                 |
|--------------------------|--------------------------------------------------|-------------------------|-----------------|
| <b>Name of Product</b>   | : Dimethyl Yellow                                | <b>CAS No.</b>          | : 60-11-7       |
| <b>Molecular Formula</b> | : C <sub>14</sub> H <sub>15</sub> N <sub>3</sub> | <b>Molecular Weight</b> | : 225.30 g/mole |
| <b>Batch No.</b>         | : QF2607217                                      | <b>Grade</b>            | : LR            |
| <b>Mfg. Date</b>         | : July-2026                                      | <b>Retest Date</b>      | : June-2031     |

| Sr. No. | Tests                                                                                                    | Specification                     | Observation |
|---------|----------------------------------------------------------------------------------------------------------|-----------------------------------|-------------|
| 1       | Appearance                                                                                               | Yellow to orange brown powder     | Complies    |
| 2       | Melting point                                                                                            | 110-116°C                         | 111.1°C     |
| 3       | Transition range ph 2.9 to ph 4.0                                                                        | Red to yellow                     | Complies    |
| 4       | Appearance of solution                                                                                   | 0.1% solution in ethanol is clear | Complies    |
| 5       | Absorption maxima in ethanol                                                                             | 403-407 nm                        | 406 nm      |
| 6       | Specific absorptivity ,A<br>1%/1cm(λ <sub>max</sub> ;0.005 %; ethanol<br>;calculated on dried substance) | 1100-1300                         | 1150        |
| 7       | Loss on drying (40°C;1 hpa)                                                                              | Max 5.0 %                         | 3.10%       |

**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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