

## Certificate of Analysis

|                                           |                                                                   |                                      |
|-------------------------------------------|-------------------------------------------------------------------|--------------------------------------|
| Product Name                              | Methyl Orange                                                     |                                      |
| CAS.                                      | 547-58-0                                                          |                                      |
| Cat Number                                | M8220                                                             |                                      |
| Lot Number                                | 3530818002                                                        |                                      |
| Molecular Formula                         | C <sub>14</sub> H <sub>14</sub> N <sub>3</sub> NaO <sub>3</sub> S |                                      |
| Molecular Wt                              | 327.33                                                            |                                      |
| Storage                                   | 2-8℃                                                              |                                      |
| Test                                      | Specification                                                     | Result                               |
| Appearance                                | Orange yellow powder                                              | Orange yellow powder                 |
| Solubility (0.1%, H <sub>2</sub> O)       | Orange yellow clarification solution                              | Orange yellow clarification solution |
| pH indicator detection                    | Qualified                                                         | Qualified                            |
| Test Date                                 | 28 Nov 2025                                                       |                                      |
| Recommended Retest Period                 | 3 Years                                                           |                                      |
| The results meet the quality requirements |                                                                   |                                      |
| QC Checker                                | Liu Juan                                                          | QC Manager Quan Jing Yu              |

