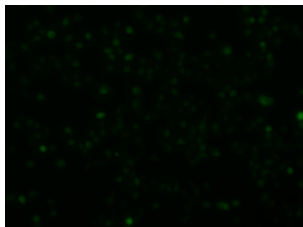
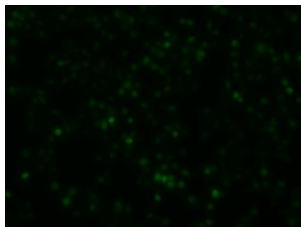


# Certificate of Analysis

|                                                                                                     |                                                                                     |                                                                                      |                                                |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------|
| Product Name                                                                                        | Fluo-4, AM ester                                                                    |                                                                                      |                                                |
| Cat.No.                                                                                             | F3013Z4                                                                             | Storage Conditions                                                                   | -20°C&protect from light                       |
| Lot.No.                                                                                             | 230316W01-08                                                                        | Expiration Date                                                                      | 15-03-2028                                     |
| Molecular Formula                                                                                   | C <sub>51</sub> H <sub>50</sub> F <sub>2</sub> N <sub>2</sub> O <sub>23</sub>       | Molecular Weight                                                                     | 1097.0                                         |
| CAS Number                                                                                          | 273221-67-3                                                                         | Excitation<br>Emission                                                               | 494/516 nm<br>(after Ca <sup>2+</sup> binding) |
| Quality Control                                                                                     |                                                                                     |                                                                                      |                                                |
| Items                                                                                               | Specification                                                                       | Result                                                                               |                                                |
| Packaging appearance                                                                                | Intact and undamaged                                                                | Intact and undamaged                                                                 |                                                |
| Appearance                                                                                          | Orange red powder                                                                   | Orange red powder                                                                    |                                                |
| Weight/volume                                                                                       | 1-1.1mg                                                                             | 1mg                                                                                  |                                                |
| molar extinction coefficient                                                                        | 25500±2000                                                                          | 25468                                                                                |                                                |
| Purity                                                                                              | HPLC: ≥85% at 254nm                                                                 | 97.3% at 254nm                                                                       |                                                |
|                                                                                                     | ≥85% at 457nm                                                                       | 97.2% at 457nm                                                                       |                                                |
| Appendix                                                                                            |                                                                                     |                                                                                      |                                                |
|                                                                                                     | Standard                                                                            | Test                                                                                 |                                                |
|                                                                                                     |  |  |                                                |
| This Product has been tested and the components have been found to conform to UE quality standards. |                                                                                     |                                                                                      |                                                |
| Conclusion                                                                                          | Up to standard                                                                      | Report Date                                                                          | 08-05-2026                                     |



|    |                       |    |                   |
|----|-----------------------|----|-------------------|
| QC | <i>Cen ming Jiang</i> | QA | <i>Qin Hua-Yu</i> |
|----|-----------------------|----|-------------------|

