

# Certificate of Analysis

|                                                                                                     |                                                                                |                                |                                |
|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------|--------------------------------|
| Product Name                                                                                        | Sulfo-Cy5-E SE                                                                 |                                |                                |
| Cat.No.                                                                                             | C5061                                                                          | Storage Conditions             | Store at -20°C away from light |
| Lot.No.                                                                                             | 220720X01-06                                                                   | Expiration Date                | 19-01-2024                     |
| Molecular Formula                                                                                   | C <sub>37</sub> H <sub>42</sub> KN <sub>3</sub> O <sub>10</sub> S <sub>2</sub> | Molecular Weight               | 792                            |
| CAS Number                                                                                          | N/A                                                                            | Excitation Emission            | 645/663nm                      |
| Quality Control                                                                                     |                                                                                |                                |                                |
| Items                                                                                               | Specification                                                                  | Result                         |                                |
| Packaging appearance                                                                                | Intact and undamaged                                                           | Intact and undamaged           |                                |
| Appearance                                                                                          | Dark blue solid                                                                | Dark blue solid                |                                |
| Weight/volume                                                                                       | 1-1.1mg                                                                        | 1mg                            |                                |
| Molarextinction coefficient                                                                         | 250000±25000                                                                   | 233141                         |                                |
| Purity                                                                                              | HPLC: ≥50% at 254 nm<br>≥50% at 647 nm                                         | 65% at 254 nm<br>95% at 647 nm |                                |
| Appendix                                                                                            |                                                                                |                                |                                |
| This Product has been tested and the components have been found to conform to UE quality standards. |                                                                                |                                |                                |
| Conclusion                                                                                          | Up to standard                                                                 | Report Date                    | 16-05-2023                     |
| QC                                                                                                  | Chen ming Jiang                                                                | QA                             | Qin Hua-Yu                     |

