

CERTIFICATE OF ANALYSIS

Product Identification

| | |
|---------------------------|--|
| Product Name | TAMRA NHS ester |
| Catalog Number | KWS1025 |
| Packing Unit | 1 mg |
| Appearance | Red Solid |
| Storage Conditions | Protect from Light at -20 °C |
| Lot Number | ASO00005 |
| Molecular Weight | 530 g/mol |
| Soluble in | DMF |
| Stability | When stored as directed, this product is stable for at least N month from the analysis date. |

Product Analysis

| | | |
|---|---------------|------------------------------------|
| Absorption * - Maximum | Lot Data | 555 nm |
| | Specification | 554 ± 3 nm |
| Emission * - Maximum | Lot Data | 582 nm |
| | Specification | 583 ± 4 nm |
| Extinction Coefficient * at 554 nm | Lot Data | 77,000 /cm·M |
| | Specification | ≥ 68,000 /cm·M |
| LC/MS - Identity | Lot Data | meets specification |
| | Specification | consistent with mass/fragmentation |

* Analytical Solvent : 10 mM Phosphate buffered saline, pH 7.4



Date of Issue : 13 Sep 2018

****For Research Use Only****

BioActs certifies on the date above that is an accurate record of the analysis of the subject lot, and that the data conform to all quality specifications.