

CERTIFICATE OF ANALYSIS

Product Identification

Product Name TAMRA Sulfo NHS ester

Catalog NumberKWSN1025AppearanceRed Solid

Storage Conditions Protect from Light at -20 °C

Lot NumberATF00009Molecular Weight610 g/molSoluble inDMF

Product Analysis

Absorption * - Maximum Lot Data 557 nm

Specification $554 \pm 3 \text{ nm}$

Emission * - Maximum Lot Data 583 nm

Specification $583 \pm 4 \text{ nm}$

Extinction Coefficient * at 554 nm Lot Data 67,000 /cm·M

Specification $\geq 60,000 / \text{cm} \cdot \text{M}$

LC/MS - Identity Lot Data meets specification

Specification consistent with mass/fragmentation



Date of Issue: 13 Mar 2019

^{*} Analytical Solvent : Methanol