

Certificate of Analysis



Product Name: 5(6) TAMRA NHS Ester
Catalog Number: FP-1254
Lot Number: 10551
Manufacturing date: 30 AUG 2023
Retest date: 30 AUG 2028
Manufacturer: Vector Laboratories, 8341 E Gelding Drive, Scottsdale, AZ 85260 USA

Assay	Lot Data	Specification
Appearance	Brown solid	Dark red to brown solid
Purity ¹		
HPLC, 550 nm	95.6%	≥ 90%
HPLC, 254 nm	91.5%	≥ 90%
LCMS ¹	Conforms	In accordance with structure
Abs max ²	552 nm	553 ± 3 nm
Em max ²	577 nm	575 ± 4 nm

¹ Derivatized with butylamine. Purity value represents total reactive dye content.

² Solvent PBS, pH 7.5

Quality Assurance *Alexandra Kulyashova*

Date: 7 SEP 2023

Vector Laboratories certifies on the date above that this is an accurate record of the analysis of the subject lot and that the data conform to the specifications in effect for this product at the time of analysis.