

Certificate of Analysis



Product Name: AZDye 647 NHS Ester
Catalog Number: FP-1121
Lot Number: 10550
Manufacturing date: 17 AUG 2023
Retest date: 17 AUG 2028
Manufacturer: Vector Laboratories, 8341 E Gelding Drive, Scottsdale, AZ 85260 USA

| Assay | Lot Data | Specification |
|----------------------|-----------------|------------------------------|
| Appearance | Dark blue solid | Dark blue solid |
| Purity ¹ | | |
| HPLC, 647 nm | 97.8% | ≥ 95% |
| LCMS ¹ | Conforms | In accordance with structure |
| Abs max ² | 648 nm | 649 ± 3 nm |
| Em max ² | 667 nm | 666 ± 4 nm |

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

² Solvent PBS, pH 7.5

Quality Assurance *Alexandra Kulyashova*

Date: 25 OCT 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.