

# Certificate of Analysis



**Product Name:** IR 650 NHS Ester  
**Catalog Number:** FP-1501  
**Lot Number:** 1X015  
**Manufacturing date:** 23 MAR 2018  
**Retest date:** 20 DEC 2028  
**Manufacturer:** Vector Laboratories, 8341 E Gelding Drive, Scottsdale, AZ 85260 USA

Assay	Lot Data	Specification
Appearance	Blue solid	Blue solid
Purity <sup>1</sup>		
HPLC, 650 nm	97.0%	≥ 90%
LCMS <sup>1</sup>	Conforms	In accordance with structure
Abs max <sup>2</sup>	649 nm	651 ± 3 nm
Em max <sup>2</sup>	667 nm	668 ± 4 nm

<sup>1</sup> After derivatization

<sup>2</sup> Solvent PBS, pH 7.5

Quality Assurance *Alexandra Kulyashova*

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Date: 11 MAR 2024

*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.*