

## Certificate of Analysis



**Product Name:** AQUORA® 650-NHS Ester Solution  
**SKU Number:** QBD-11949SL  
**Lot Number:** JB1-Q65001-031  
**Molecular Weight:** 1710

This dye is formulated as a reactive solution in anhydrous dimethylacetamide (DMAc) and corrected for the percent reactive group as shown below in the test results table.

ASSAY	SPECIFICATION	LOT DATA
Appearance	Blue solution	Blue solution
Absorbance Maximum (nm) <sup>†</sup>	655 nm ± 4 nm	655 nm
Purity by HPLC-UV*	≥ 75%	93.7%
Percent Reactive Group by HPLC-UV**	>85%	99.0%
Concentration Determination	9.8 mM – 11.0 mM	10.3 mM

<sup>†</sup>All spectrophotometric measurements are performed in a phosphate buffered saline (PBS) solution at pH 7.4.

\* Dye purity is determined by HPLC-UV at the maximum absorbance wavelength and is the mean of three (3) samples.

\*\*The percent reactive group is determined by HPLC-UV at the maximum absorbance wavelength and is the mean of three (3) samples.

This document certifies that Lot JB1-Q65001-031 was analyzed and released by Vector Laboratories Quality Control on July 2, 2024, and was found to meet the currently established test parameters. This lot was retested on October 18, 2024, and was again found to meet the currently established test parameters. This is an updated version of the original Certificate of Analysis.

A handwritten signature in blue ink, appearing to read 'Dave Schory'.

Dave Schory, M.S.  
QC Manager

*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.*