

## Certificate of Analysis



**Product Name:** AQUORA® 550-Maleimide Solution  
**SKU Number:** QBD-11974SL  
**Lot Number:** JB1-Q55001-024  
**Molecular Weight:** 1620

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                           | Pink solution    | Pink solution |
| Absorbance Maximum (nm) <sup>†</sup> | 556 nm ± 4 nm    | 556 nm        |
| Purity by HPLC-UV*                   | ≥ 75%            | 95.7%         |
| Percent Reactive Group by HPLC-UV**  | >85%             | 95.7%         |
| Concentration Determination          | 9.8 mM – 11.0 mM | 9.9 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-Q55001-024 was analyzed and released by Vector Laboratories Quality Control on August 26, 2024, and was found to meet the currently established test parameters.

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.*