

## Certificate of Analysis



**Product Name:** AQuora® 800-Maleimide  
**SKU Number:** QBD-11099SD  
**Lot Number:** JS1-A0805-040  
**Molecular Weight:** 2030

This dye is formulated as a solid. The weight of dye in the container is increased to correct for the percent reactive group shown below in the test results table.

ASSAY	SPECIFICATION	LOT DATA
Appearance	Blue-green solid to semisolid	Blue-green semisolid
Absorbance Maximum (nm) <sup>†</sup>	783 nm ± 4 nm	783 nm
Purity by HPLC-UV*	≥ 75%	97.6%
Percent Reactive Group by HPLC-UV**	>85%	97.6%

<sup>†</sup> Spectrophotometric measurements are based on previous formulations of the same material.

\* 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 JS1-A0805-040 was analyzed and released by Vector Laboratories Quality Control on August 21, 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.*