

Certificate of Analysis



Product Name: AQUORA® 405-NHS Ester
SKU Number: QBD-12005LF
Lot Number: JB1-Q40501-020
Molecular Weight: 1280

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	Yellow solid	Yellow solid
Absorbance Maximum (nm) [†]	399 nm ± 4 nm	399 nm
Purity by HPLC-UV*	≥ 75%	91.4%
Percent Reactive Group by HPLC-UV**	>85%	96.1%

[†]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-Q40501-020 analyzed and released by Vector Laboratories Quality Control on March 18, 2025, and was found to meet the currently established test parameters.

A handwritten signature in blue ink, appearing to read 'Dave Schory', written over a horizontal line.

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.