

Certificate of Analysis



Product Name: AQUORA® 488-NHS Ester
SKU Number: QBD-11083SD
Lot Number: JS1-A1205-087
Molecular Weight: 1250

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	Red solid	Red solid
Absorbance Maximum (nm) [†]	494 nm ± 4 nm	493 nm
Purity by HPLC-UV*	≥ 75%	84.9%
Percent Reactive Group by HPLC-UV**	>85%	90.6%

[†]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 JS1-A1205-087 was analyzed and released by Vector Laboratories Quality Control on July 22, 2024, and was found to meet the currently established test parameters. This lot was retested on October 1, 2024, and was again found to meet the currently established test parameters. This lot expires one (1) year after retest date. 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.