

## New England Biolabs Certificate of Analysis

Product Name: CLIP-Surface™ 647  
 Catalog Number: S9234S  
 Packaging Lot Number: 10109448  
 Expiration Date: 09/2026  
 Storage Temperature: -20°C  
 Specification Version: PS-S9234S v4.0

CLIP-Surface™ 647 Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S9234SVIAL	CLIP-Surface™ 647	10109447	Pass

Assay Name/Specification	Lot # 10109448
<b>Identity (Mass Spectrometry)</b> The observed molecular mass of CLIP-Surface™ 647 is 854.3 Da +/- 1 Da as determined by mass spectrometry analysis.	Pass
<b>In Vitro Protein Labeling</b> A 50 µl reaction in 1X PBS and 1 mM DTT containing 5 µM of CLIP-tag® Purified Protein and a minimum of 10 µM of CLIP-Surface™ 647 is incubated for 1 hour at 37°C results in the expected labeled product that is visualized on SDS-PAGE by fluorescent detection.	Pass
<b>Physical Purity (HPLC)</b> CLIP-Surface™ 647 is ≥ 80% pure as determined by HPLC analysis.	Pass

This product has been tested and shown to be in compliance with all specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.

*Christopher R. Provost*

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Chris Provost  
Production Scientist  
19 Nov 2021

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
19 Nov 2021