

## New England Biolabs Certificate of Analysis

Product Name: CLIP-Surface™ 547  
 Catalog Number: S9233S  
 Packaging Lot Number: 10190510  
 Expiration Date: 12/2027  
 Storage Temperature: -20°C  
 Specification Version: PS-S9233S v4.0

| CLIP-Surface™ 547 Component List |                       |            |                      |
|----------------------------------|-----------------------|------------|----------------------|
| NEB Part Number                  | Component Description | Lot Number | Individual QC Result |
| S9233SVIAL                       | CLIP-Surface™ 547     | 10169050   | Pass                 |

| Assay Name/Specification   | Lot # 10190510 |
|--|----------------|
| <b>Identity (Mass Spectrometry)</b><br>The observed molecular mass of CLIP-Surface™ 547 is 828.3 Da +/- 1 Da as determined by mass spectrometry analysis.  | Pass           |
| <b>In Vitro Protein Labeling</b><br>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™ 547 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><br>CLIP-Surface™ 547 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  
06 Dec 2022

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
14 Jun 2023