

## New England Biolabs Certificate of Analysis

Product Name: SNAP-Surface<sup>®</sup> 649  
 Catalog Number: S9159S  
 Packaging Lot Number: 10165132  
 Expiration Date: 09/2027  
 Storage Temperature: -20°C  
 Specification Version: PS-S9159S v3.0

| SNAP-Surface <sup>®</sup> 649 Component List |                               |            |                      |
|--|-------------------------------|------------|----------------------|
| NEB Part Number                              | Component Description         | Lot Number | Individual QC Result |
| S9159SVIAL                                   | SNAP-Surface <sup>®</sup> 649 | 10160874   | Pass                 |

| Assay Name/Specification  | Lot # 10165132 |
|---|----------------|
| <p><b>Identity (Mass Spectrometry)</b><br/>           The observed molecular mass of SNAP-Surface<sup>®</sup> 649 is 1154.3 Da +/- 1 Da as determined by mass spectrometry analysis.</p>  | Pass           |
| <p><b>In Vitro Protein Labeling</b><br/>           A 50 µl reaction in 1X PBS and 1 mM DTT containing 5 µM of SNAP-tag<sup>®</sup> Purified Protein and a minimum of 10 µM of SNAP-Surface<sup>®</sup> 649 is incubated for 1 hour at 37°C results in the expected labeled product that is visualized on SDS-PAGE by fluorescent detection.</p> | Pass           |
| <p><b>Physical Purity (HPLC)</b><br/>           SNAP-Surface<sup>®</sup> 649 is ≥ 90% pure as determined by HPLC analysis.</p>  | 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  
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13 Sep 2022

*Erin Varney*

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Packaging Quality Control Inspector  
13 Sep 2022