

## New England Biolabs Certificate of Analysis

Product Name: SNAP-Surface<sup>®</sup> 549  
 Catalog Number: S9112S  
 Packaging Lot Number: 10081153  
 Expiration Date: 08/2025  
 Storage Temperature: -20°C  
 Specification Version: PS-S9112S v3.0

SNAP-Surface <sup>®</sup> 549 Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S9112SVIAL	SNAP-Surface <sup>®</sup> 549	10081154	Pass

Assay Name/Specification	Lot # 10081153
<b>Physical Purity (HPLC)</b> SNAP-Surface <sup>®</sup> 549 is ≥ 90% pure as determined by HPLC analysis.	Pass
<b>In Vitro Protein Labeling</b> 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> 549 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>Identity (Mass Spectrometry)</b> The observed molecular mass of SNAP-Surface <sup>®</sup> 549 is 1128.3 Da +/- 1 Da as determined by mass spectrometry 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  
01 Oct 2020

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
01 Oct 2020