

## New England Biolabs Certificate of Analysis

**Product Name:** SNAP-Surface<sup>®</sup> Block  
**Catalog Number:** S9143S  
**Packaging Lot Number:** 10079371  
**Expiration Date:** 09/2024  
**Storage Temperature:** -20°C  
**Specification Version:** PS-S9143S v3.0

SNAP-Surface <sup>®</sup> Block Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S9143SVIAL	SNAP-Surface <sup>®</sup> Block	10052778	Pass

Assay Name/Specification	Lot # 10079371
<b>In Vitro Protein Labeling (Blocking Assay)</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 40 µM of SNAP-Surface <sup>®</sup> Block for 30 minutes followed by 10 µM SNAP-Cell <sup>®</sup> TMR-Star is incubated for 1 hour at 37°C results in the expected absence of labeled product that is visualized on SDS-PAGE by fluorescent detection.	Pass
<b>Physical Purity (HPLC)</b> SNAP-Surface <sup>®</sup> Block is ≥ 90% pure as determined by HPLC analysis.	Pass
<b>Identity (Mass Spectrometry)</b> The observed molecular mass of SNAP-Surface <sup>®</sup> Block is 313.1 Da +/- 1 Da as determined by mass spectrometry analysis.	Pass

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

*Christopher R. Provost*

---

Chris Provost  
Production Scientist  
22 Jul 2020

*Michael Tonello*

---

Michael Tonello  
Packaging Quality Control Inspector  
22 Jul 2020