

## New England Biolabs Certificate of Analysis

**Product Name:** SNAP-Biotin®  
**Catalog Number:** S9110S  
**Packaging Lot Number:** 10225007  
**Expiration Date:** 11/2028  
**Storage Temperature:** -20°C  
**Specification Version:** PS-S9110S v2.0

SNAP-Biotin® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S9110SVIAL	SNAP-Biotin®	10214589	Pass

Assay Name/Specification	Lot # 10225007
<b>Identity (Mass Spectrometry)</b> The observed molecular mass of SNAP-Biotin® is 609.3 Da +/- 1 Da as determined by mass spectrometry analysis.	<b>Pass</b>
<b>In Vitro Protein Labeling</b> A 50 µl reaction in 1X PBS and 1 mM DTT containing 5 µM of SNAP-tag® Purified Protein and a minimum of 10 µM of SNAP-Biotin® is incubated for 1 hour at 37°C results in the expected labeled product that is visualized on SDS-PAGE by gel shift after silver staining.	<b>Pass</b>
<b>Physical Purity (HPLC)</b> SNAP-Biotin® is ≥ 90% pure as determined by HPLC analysis.	<b>Pass</b>

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  
03 Nov 2023

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
16 Jan 2024