

## New England Biolabs Certificate of Analysis

Product Name: NEBNext<sup>®</sup> Multiplex Oligos for Illumina<sup>®</sup> (Unique Dual Index UMI Adaptors RNA Set 1)  
 Catalog Number: E7416S  
 Packaging Lot Number: 10135330  
 Expiration Date: 11/2022  
 Storage Temperature: -20°C  
 Specification Version: PS-E7416S/L v1.0

NEBNext <sup>®</sup> Multiplex Oligos for Illumina <sup>®</sup> (Unique Dual Index UMI Adaptors RNA Set 1) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7417AVIAL	NEBNext <sup>®</sup> UMI RNA Adaptor Plate	10123050	Pass
E7398AVIAL	NEBNext <sup>®</sup> UMI Adaptor Dilution Buffer	10123052	Pass
E7397AVIAL	NEBNext <sup>®</sup> Primer Mix	10123051	Pass

Assay Name/Specification	Lot # 10135330
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Multiplex Oligos for Illumina<sup>®</sup> (Unique Dual Index UMI Adaptors RNA Set 1) and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (RNA Library Construction, Oligo)</b>            Each of the components are functionally validated through construction of libraries made from commercially available Total RNA. Libraries are made from each unique barcoded oligonucleotide and are sequenced together on the same Illumina<sup>®</sup> flow cell and compared across various metrics including including library yield, 5'-3' transcript coverage, and fraction of reads mapping to a reference.</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.

*Christine Sumner*

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Christine Sumner  
Production Scientist  
28 Dec 2021

*Josh Hersey*

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Josh Hersey  
Packaging Quality Control Inspector  
28 Dec 2021