

## New England Biolabs Certificate of Analysis

Product Name: *NEBNext Multiplex Oligos for Illumina (96 Unique Dual Index Primer Pairs)*  
 Catalog Number: *E6440S*  
 Lot Number: *10043430*  
 Expiration Date: *11/2020*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E6440S/L v1.0*

| NEBNext Multiplex Oligos for Illumina (96 Unique Dual Index Primer Pairs) Component List |  |            |                      |
|--|--|------------|----------------------|
| NEB Part Number  | Component Description                  | Lot Number | Individual QC Result |
| E6612AVIAL   | NEBNext® Adaptor for Illumina®         | 10028533   | Pass                 |
| E6610AVIAL   | USER Enzyme                            | 10028531   | Pass                 |
| E6441AVIAL   | NEBNext Unique Dual Index Primer Pairs | 10028532   | Pass                 |

| Assay Name/Specification   | Lot # 10043430 |
|--|----------------|
| <p><b>* Individual Product Component Note</b><br/>           Standard Quality Control Tests are performed for each component included in NEBNext® Multiplex Oligos for Illumina® (96 Unique Dual Index Primer Pairs) and meet the designated specifications.</p>   | Pass           |
| <p><b>Functional Testing (Library Construction, Oligo)</b><br/>           Each of the components are functionally validated through construction of libraries made from commercially available genomic DNA. Libraries are made from each unique barcoded oligonucleotide and are sequenced together on the same Illumina flow cell and compared across various metrics including library yield, fraction of reads aligning to the reference, GC bias, and insert size.</p> | Pass           |

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

*Christine Sumner*

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Christine Sumner  
Production Scientist  
19 Apr 2019

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
19 Apr 2019