

## New England Biolabs Certificate of Analysis

*Product Name:* NEBNext® Multiplex Oligos for Illumina® (96 Unique Dual Index Primer Pairs) Set 2

*Catalog Number:* E6442S

*Packaging Lot Number:* 10075098

*Expiration Date:* 05/2022

*Storage Temperature:* -20°C

*Specification Version:* PS-E6442S/L v1.0

| NEBNext® Multiplex Oligos for Illumina® (96 Unique Dual Index Primer Pairs) Set 2 Component List |   |            |                      |
|--|---|------------|----------------------|
| NEB Part Number  | Component Description                         | Lot Number | Individual QC Result |
| E6612AVIAL   | NEBNext® Adaptor for Illumina®                | 10071766   | Pass                 |
| E6610AVIAL   | USER Enzyme                                   | 10071765   | Pass                 |
| E6443AVIAL   | NEBNext® Unique Dual Index Primer Set 2 Plate | 10071764   | Pass                 |

| Assay Name/Specification  | Lot # 10075098 |
|---|----------------|
| <p><b>* Individual Product Component Note</b></p> <p>Standard Quality Control Tests are performed for each component included in NEBNext® Multiplex Oligos for Illumina® (96 Unique Dual Index Primer Pairs Set 2) and meet the designated specifications.</p>  | Pass           |
| <p><b>Functional Testing (Library Construction, Oligo)</b></p> <p>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  
11 May 2020

*Josh Hersey*

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Josh Hersey  
Packaging Quality Control Inspector  
11 May 2020