

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II Non-Directional RNA Second Strand Synthesis Module  
 Catalog Number: E6111S  
 Lot Number: 10019190  
 Expiration Date: 01/2020  
 Storage Temperature: -20°C  
 Specification Version: PS-E6111S/L v1.0

| NEBNext® Ultra™ II Non-Directional RNA Second Strand Synthesis Module Component List |                                                  |            |                      |
|--------------------------------------------------------------------------------------|--------------------------------------------------|------------|----------------------|
| NEB Part Number                                                                      | Component Description                            | Lot Number | Individual QC Result |
| E6113AVIAL                                                                           | NEBNext® Second Strand Synthesis Reaction Buffer | 0101801    | Pass                 |
| E6112AVIAL                                                                           | NEBNext® Second Strand Synthesis Enzyme Mix      | 0161801    | Pass                 |

| Assay Name/Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Lot # 10019190          |
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| <p><b>Functional Testing (Library Construction, RNA)</b><br/>           Each set of reagents is functionally validated and compared to a previous lot through construction of libraries made from commercially available RNA, using the kit's minimum and maximum input requirements. Libraries made from previous and current lots for both input RNA amounts are sequenced together on the same Illumina flow cell and compared across various metrics including library yield, individual transcript abundance correlations (low vs. high input, old lot vs. new lot), 5'-3' transcript coverage, and fraction of reads mapping to a reference.</p> <p><b>* Individual Product Component Note</b><br/>           Standard Quality Control Tests are performed for each component included in NEBNext® Ultra II™ Non-Directional RNA Second Strand Synthesis Module and meet the designated specifications.</p> | <p>Pass</p> <p>Pass</p> |

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

*Christine Sumner*

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Christine Sumner  
Production Scientist  
13 Aug 2018

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
13 Aug 2018