

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext<sup>®</sup> Ultra<sup>™</sup> II Non-Directional RNA Second Strand Synthesis Module  
**Catalog Number:** E6111S  
**Lot Number:** 10029280  
**Expiration Date:** 01/2020  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E6111S/L v1.0

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

Assay Name/Specification	Lot # 10029280
<p><b>Functional Testing (Library Construction, RNA)</b>            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>            Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Ultra II<sup>™</sup> 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  
15 Nov 2018

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
15 Nov 2018