

## New England Biolabs Certificate of Analysis

Product Name: NEBNext<sup>®</sup> Ultra<sup>™</sup> II FS DNA PCR-free Library Prep Kit for Illumina<sup>®</sup>  
 Catalog Number: E7430S  
 Packaging Lot Number: 10155818  
 Expiration Date: 04/2023  
 Storage Temperature: -20°C  
 Specification Version: PS-E7430S/L/G v1.0

NEBNext <sup>®</sup> Ultra <sup>™</sup> II FS DNA PCR-free Library Prep Kit for Illumina <sup>®</sup> Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7808AVIAL	TE Buffer	10144481	Pass
E7807AVIAL	NEBNext <sup>®</sup> Ultra <sup>™</sup> II FS Reaction Buffer	10144478	Pass
E7806AVIAL	NEBNext <sup>®</sup> Ultra <sup>™</sup> II FS Enzyme Mix	10144477	Pass
E7648AVIAL	NEBNext <sup>®</sup> Ultra <sup>™</sup> II Ligation Master Mix	10144480	Pass
E7374AVIAL	NEBNext <sup>®</sup> Ligation Enhancer	10144479	Pass
E7139AAVIAL	DTT	10144482	Pass

Assay Name/Specification	Lot # 10155818
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Ultra<sup>™</sup> II FS DNA PCR-free Library Prep Kit for Illumina<sup>®</sup> and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (Library Construction, Ultra<sup>™</sup> II FS DNA PCR-free)</b>            Each set of reagents is functionally validated and compared to a previous lot through construction of libraries made from commercially available genomic DNA, using the kit's minimum and maximum input requirements. Libraries made from previous and current lots for 3 input DNA amounts are sequenced together on the same Illumina<sup>®</sup> 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.

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  
21 Jun 2022

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
21 Jun 2022