

## 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: E7430L  
 Packaging Lot Number: 10205814  
 Expiration Date: 05/2024  
 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
E7808AAVIAL	TE Buffer	10187238	Pass
E7807AAVIAL	NEBNext <sup>®</sup> Ultra <sup>™</sup> II FS Reaction Buffer	10187235	Pass
E7806AAVIAL	NEBNext <sup>®</sup> Ultra <sup>™</sup> II FS Enzyme Mix	10187234	Pass
E7648AAVIAL	NEBNext <sup>®</sup> Ultra <sup>™</sup> II Ligation Master Mix	10187237	Pass
E7374AAVIAL	NEBNext <sup>®</sup> Ligation Enhancer	10187236	Pass
E7139AAVIAL	DTT	10187239	Pass

Assay Name/Specification	Lot # 10205814
<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  
25 Aug 2023

*Josh Hersey*

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Josh Hersey  
Packaging Quality Control Inspector  
25 Aug 2023