

## 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: 10174786  
 Expiration Date: 01/2024  
 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
E7808AVIAL	TE Buffer	10174791	Pass
E7807AVIAL	NEBNext <sup>®</sup> Ultra <sup>™</sup> II FS Reaction Buffer	10174788	Pass
E7806AVIAL	NEBNext <sup>®</sup> Ultra <sup>™</sup> II FS Enzyme Mix	10174787	Pass
E7648AVIAL	NEBNext <sup>®</sup> Ultra <sup>™</sup> II Ligation Master Mix	10174790	Pass
E7374AVIAL	NEBNext <sup>®</sup> Ligation Enhancer	10174789	Pass
E7139AAVIAL	DTT	10174792	Pass

Assay Name/Specification	Lot # 10174786
<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.	Pass
<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.	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*

---

Christine Sumner  
Production Scientist  
21 Feb 2023

*Michael Tonello*

---

Michael Tonello  
Packaging Quality Control Inspector  
22 Feb 2023