

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Ultra™ II FS DNA PCR-free Library Prep Kit for Illumina®  
**Catalog Number:** E7430L  
**Packaging Lot Number:** 10236003  
**Expiration Date:** 04/2025  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E7430S/L/G v1.0

NEBNext® Ultra™ II FS DNA PCR-free Library Prep Kit for Illumina® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7808AAVIAL	TE Buffer	10236013	Pass
E7807AAVIAL	NEBNext® Ultra™ II FS Reaction Buffer	10236009	Pass
E7806AAVIAL	NEBNext® Ultra™ II FS Enzyme Mix	10236007	Pass
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10236012	Pass
E7374AAVIAL	NEBNext® Ligation Enhancer	10236011	Pass
E7139AAVIAL	DTT	10236014	Pass

Assay Name/Specification	Lot # 10236003
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext® Ultra™ II FS DNA PCR-free Library Prep Kit for Illumina® and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (Library Construction, Ultra™ 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® 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.

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01 May 2024

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31 May 2024