New England Biolabs
Certificate of Analysis

Product Name:	NEBNext® dsDNA Fragmentase®
Catalog Number:	M0348S
Packaging Lot Number:	10166171
Expiration Date:	03/2024
Storage Temperature:	-20°C
Storage Conditions:	10 mM Tris-HCl, 50 mM NaCl, 0.1 mM EDTA, 50 % Glycerol, 0.15 % Triton®X-100, 200 µg/ml BSA, (pH 7.5 @ 25°C)
Specification Version:	PS-M0348S/L v1.0

NEBNext® dsDNA Fragmentase® Component List			
NEB Part Number	**Component Description**	**Lot Number**	**Individual QC Result**
M0348AVIAL	NEBNext® dsDNA Fragmentase®	10161241	**Pass**
B0511AVIAL	MgCl2 Solution (200 mM)	10161243	**Pass**
B0349AVIAL	NEBNext® dsDNA Fragmentase® Reaction Buffer v2	10161242	**Pass**

Assay Name/Specification	Lot # 10166171
Protein Purity Assay (SDS-PAGE) NEBNext® dsDNA Fragmentase® is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.	**Pass**
Protease Activity (SDS-PAGE) A 20 µl reaction in 1X NEBNext® dsDNA Fragmentase Reaction Buffer containing 24 µg of a standard mixture of proteins and a minimum of 10 µl of NEBNext® dsDNA Fragmentase® incubated for 20 hours at 37°C, results in no detectable degradation of the protein mixture as determined by SDS-PAGE with Coomassie Blue detection.	**Pass**
Phosphatase Activity (pNPP) A 200 µl reaction in 1M Diethanolamine, pH 9.8, 0.5 mM MgCl2 containing 2.5 mM p-Nitrophenyl Phosphate (pNPP) and a minimum of 10 µl of NEBNext® dsDNA Fragmentase® incubated for 4 hours at 37°C yields <0.00001 unit of alkaline phosphatase activity as determined by spectrophotometric analysis.	**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 for additional information.

New England BioLabs Inc.

be INSPIRED
drive DISCOVERY
stay GENUINE

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