NEW ENGLAND BioLabs Inc.
be INSPIRED drive DISCOVERY stay GENUINE
240 County Road
Ipswich, MA 01938-2723
Tel 978-927-5054
Fax 978-921-1350
www.neb.com
info@neb.com

New England Biolabs
Certificate of Analysis

Product Name:	*NEBNext® dsDNA Fragmentase®*
Catalog Number:	*M0348S*
Lot Number:	*10037135*
Expiration Date:	*08/2020*
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®	10037137	**Pass**
B0511AVIAL	MgCl2 Solution (200 mM)	10037139	**Pass**
B0349AVIAL	NEBNext® dsDNA Fragmentase® Reaction Buffer v2	10037138	**Pass**

Assay Name/Specification	Lot # 10037135
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**
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**
Protein Purity Assay (SDS-PAGE) NEBNext® dsDNA Fragmentase® is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.	**Pass**

This product has been tested and shown to be in compliance with all specifications.

NEW ENGLAND BioLabs Inc.
be INSPIRED drive DISCOVERY stay GENUINE
240 County Road
Ipswich, MA 01938-2723
Tel 978-927-5054
Fax 978-921-1350
www.neb.com
info@neb.com

Christine Sumner
Production Scientist
30 Jul 2019

Michael Tonello
Packaging Quality Control Inspector
30 Jul 2019