NEW ENGLAND BioLabs Inc.
be INSPIRED drive DISCOVERY stay GENUINE
240 County Road
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Fax 978-921-1350
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New England Biolabs
Certificate of Analysis

Product Name:	*Lambda DNA*
Catalog Number:	*N3011S*
Concentration:	*500 µg/ml*
Unit Definition:	*N/A*
Lot Number:	*10045292*
Expiration Date:	*05/2021*
Storage Temperature:	*-20°C*
Storage Conditions:	*10 mM Tris-HCl (pH 8.0), 1 mM EDTA*
Specification Version:	*PS-N3011S/L v2.0*

Lambda DNA Component List			
NEB Part Number	**Component Description**	**Lot Number**	**Individual QC Result**
N3011SVIAL	Lambda DNA	10045293	**Pass**

Assay Name/Specification	**Lot # 10045292**
A260/A280 Assay The ratio of UV absorption of Lambda DNA at 260 and 280 nm is between 1.8 and 2.0.	**Pass**
DNA Concentration (A260) The concentration of Lambda DNA is between 500 and 550 µg/ml as determined by UV absorption at 260 nm.	**Pass**
Electrophoretic Pattern (Linear DNA) The banding pattern of Lambda DNA on a 1.2% agarose gel is evaluated against a control lot for sharpness and relative intensity as determined by gel electrophoresis using Ethidium Bromide.	**Pass**
Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of Lambda DNA incubated for 16 hours at 37ºC results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	**Pass**
Restriction Digest (Correct Pattern) A 50 µl reaction in NEBuffer 2.1 containing 2.5 µg of Lambda DNA and 20 units of HindIII incubated for 1 hour at 37°C produces the expected pattern of DNA fragments as determined by agarose gel electrophoresis.	**Pass**

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

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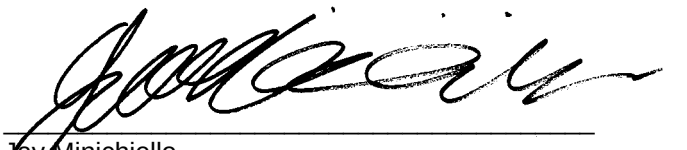
Vanessa Mathieu-Sheltry
Production Scientist
21 May 2019



Jay Minichiello
Packaging Quality Control Inspector
27 Sep 2019