NEW ENGLAND BioLabs Inc.
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240 County Road
Ipswich, MA 01938-2723
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New England Biolabs
Certificate of Analysis

Product Name:	*PhiX174 DNA-Hae III Digest*
Catalog Number:	*N3026L*
Concentration:	*1,000 µg/ml*
Unit Definition:	*N/A*
Packaging Lot Number:	*10083575*
Expiration Date:	*09/2022*
Storage Temperature:	*-20°C*
Storage Conditions:	*10 mM Tris-HCl (pH 8.0), 1 mM EDTA*
Specification Version:	*PS-N3026S/L v1.0*

PhiX174 DNA-Hae III Digest Component List			
NEB Part Number	**Component Description**	**Lot Number**	**Individual QC Result**
N3026LVIAL	PhiX174 DNA-Hae III Digest	10083574	**Pass**
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10069106	**Pass**

Assay Name/Specification	**Lot # 10083575**
A260/A280 Assay The ratio of UV absorption of ϕX174 DNA-Hae III Digest at 260 and 280 nm is between 1.8 and 2.0.	**Pass**
DNA Concentration (A260) The concentration of ϕX174 DNA-Hae III Digest is between 1000 and 1050 µg/ml as determined by UV absorption at 260 nm.	**Pass**
Electrophoretic Pattern (Marker) The banding pattern of ϕX174 DNA-Hae III Digest on a 3% agarose gel shows discrete, clearly identifiable bands at each band of the marker, when stained with Ethidium Bromide at a concentration of 0.5 µg/ml.	**Pass**
Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 5 µg of ϕX174 DNA-Hae III Digest incubated for 16 hours at 37ºC results in a DNA pattern free of detectable nuclease degradation 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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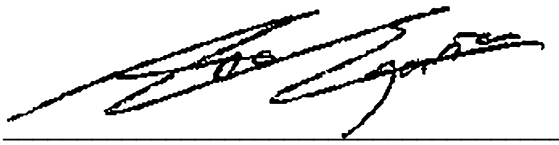

Ana Egana
Production Scientist
16 Oct 2020

Michael Tonello
Packaging Quality Control Inspector
16 Oct 2020