NEW ENGLAND BioLabs Inc.
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240 County Road
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New England Biolabs
Certificate of Analysis

Product Name:	*Lambda DNA-Hind III Digest*
Catalog Number:	*N3012L*
Concentration:	*500 µg/ml*
Unit Definition:	*N/A*
Packaging Lot Number:	*10138653*
Expiration Date:	*02/2024*
Storage Temperature:	*-20°C*
Storage Conditions:	*10 mM Tris-HCl (pH 8.0), 1 mM EDTA*
Specification Version:	*PS-N3012S/L v1.0*

Lambda DNA-Hind III Digest Component List

NEB Part Number	Component Description	Lot Number	Individual QC Result
N3012LVIAL	Lambda DNA-Hind III Digest	10138652	**Pass**
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10132771	**Pass**

Assay Name/Specification	Lot # 10138653
A260/A280 Assay The ratio of UV absorption of λ DNA-HindIII Digest at 260 and 280 nm is between 1.8 and 2.0.	**Pass**
DNA Concentration (A260) The concentration of λ DNA-HindIII Digest is between 500 and 550 µg/ml as determined by UV absorption at 260 nm.	**Pass**
Electrophoretic Pattern (Marker) The banding pattern of λ DNA-HindIII Digest on a 1.2% 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 2.5 µg of λ DNA-HindIII 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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