

## New England Biolabs Certificate of Analysis

**Product Name:** *Lambda DNA-Hind III Digest*  
**Catalog Number:** *N3012L*  
**Concentration:** *500 µg/ml*  
**Unit Definition:** *N/A*  
**Lot Number:** *10025697*  
**Expiration Date:** *10/2020*  
**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           | 10025696   | Pass                 |
| B7025SVIAL                                | Gel Loading Dye, Purple (6X), no SDS | 10021091   | Pass                 |

| Assay Name/Specification   | Lot # 10025697 |
|--|----------------|
| <b>Non-Specific DNase Activity (DNA, 16 hour)</b><br>A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of λ DNA-HindIII Digest incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis. | Pass           |
| <b>Electrophoretic Pattern (Marker)</b><br>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           |
| <b>A260/A280 Assay</b><br>The ratio of UV absorption of λ DNA-HindIII Digest at 260 and 280 nm is between 1.8 and 2.0.   | Pass           |
| <b>DNA Concentration (A260)</b><br>The concentration of λ DNA-HindIII Digest is between 500 and 550 µg/ml as determined by UV absorption at 260 nm.  | Pass           |

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



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Production Scientist  
16 Oct 2018



Josh Hersey  
Packaging Quality Control Inspector  
27 Dec 2018