

## New England Biolabs Certificate of Analysis

**Product Name:** *Lambda DNA-BstE II Digest*  
**Catalog Number:** *N3014S*  
**Concentration:** *500 µg/ml*  
**Unit Definition:** *N/A*  
**Packaging Lot Number:** *10060478*  
**Expiration Date:** *11/2021*  
**Storage Temperature:** *-20°C*  
**Storage Conditions:** *10 mM Tris-HCl (pH 8.0), 1 mM EDTA*  
**Specification Version:** *PS-N3014S/L v1.0*

| Lambda DNA-BstE II Digest Component List |                                      |            |                      |
|--|--------------------------------------|------------|----------------------|
| NEB Part Number                          | Component Description                | Lot Number | Individual QC Result |
| N3014SVIAL                               | Lambda DNA-BstE II Digest            | 10060479   | Pass                 |
| B7025SVIAL                               | Gel Loading Dye, Purple (6X), no SDS | 10055731   | Pass                 |

| Assay Name/Specification  | Lot # 10060478 |
|---|----------------|
| <b>A260/A280 Assay</b><br>The ratio of UV absorption of λ DNA-BstEII Digest at 260 and 280 nm is between 1.8 and 2.0.   | <b>Pass</b>    |
| <b>DNA Concentration (A260)</b><br>The concentration of λ DNA-BstEII Digest is between 500 and 550 µg/ml as determined by UV absorption at 260 nm.  | <b>Pass</b>    |
| <b>Electrophoretic Pattern (Marker)</b><br>The banding pattern of λ DNA-BstEII 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.                        | <b>Pass</b>    |
| <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-BstEII Digest incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis. | <b>Pass</b>    |

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



Doreen Duquette  
Production Scientist  
21 Oct 2019



Jay Minichiello  
Packaging Quality Control Inspector  
02 Dec 2019