

## New England Biolabs Certificate of Analysis

Product Name: 1 kb Plus DNA Ladder  
 Catalog Number: N3200L  
 Concentration: 1,000 µg/ml  
 Lot Number: 10055247  
 Expiration Date: 09/2021  
 Storage Temperature: -20°C  
 Specification Version: PS-N3200S/L v2.0

1 kb Plus DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3200LVIAL	1 kb Plus DNA Ladder	10054674	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10049767	Pass

Assay Name/Specification	Lot # 10055247
<p><b>DNA Concentration (A260)</b>            The concentration of 1 kb Plus DNA Ladder is between 1000 and 1050 µg/ml as determined by UV absorption at 260 nm.</p>	Pass
<p><b>Electrophoretic Pattern (Marker)</b>            The banding pattern of 1 kb Plus DNA Ladder 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.</p>	Pass
<p><b>Non-Specific DNase Activity (DNA, 16 hour)</b>            A 50 µl reaction in 1X NEBuffer 2 containing 5 µg of 1 kb Plus DNA Ladder incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.</p>	Pass
<p><b>A260/A280 Assay</b>            The ratio of UV absorption of 1 kb Plus DNA Ladder at 260 and 280 nm is between 1.8 and 2.0.</p>	Pass

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



Doreen Duquette  
Production Scientist  
22 Aug 2019



Jay Minichiello  
Packaging Quality Control Inspector  
02 Oct 2019