

## New England Biolabs Certificate of Analysis

Product Name: 1 kb Plus DNA Ladder  
 Catalog Number: N3200L  
 Concentration: 1,000 µg/ml  
 Packaging Lot Number: 10060555  
 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	10055731	Pass

Assay Name/Specification	Lot # 10060555
<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
<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

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



Vanessa Mathieu-Sheltry  
Production Scientist  
06 Sep 2019



Michael Tonello  
Packaging Quality Control Inspector  
16 Dec 2019