

New England Biolabs Certificate of Analysis

Product Name: 1 kb Plus DNA Ladder
 Catalog Number: N3200S
 Concentration: 1,000 µg/ml
 Packaging Lot Number: 10140547
 Expiration Date: 02/2024
 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
N3200SVIAL	1 kb Plus DNA Ladder	10140546	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10132771	Pass

Assay Name/Specification	Lot # 10140547
<p>Non-Specific DNase Activity (DNA, 16 hour) 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>A260/A280 Assay 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>DNA Concentration (A260) 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>Electrophoretic Pattern (Marker) 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

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



Vanessa Mathieu-Sheltry
Production Scientist
15 Mar 2022



Michael Tonello
Packaging Quality Control Inspector
15 Mar 2022