

New England Biolabs Certificate of Analysis

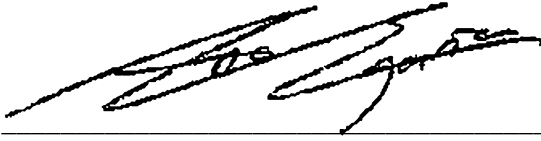
Product Name: 1 kb Plus DNA Ladder
 Catalog Number: N3200S
 Concentration: 1,000 µg/ml
 Packaging Lot Number: 10101180
 Expiration Date: 02/2023
 Storage Temperature: -20°C
 Specification Version: PS-N3200S/L v2.0

1 kb Plus DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3200SVIAL	1 kb Plus DNA Ladder	10098985	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10097267	Pass

Assay Name/Specification	Lot # 10101180
<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>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
<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

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

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Production Scientist
09 Mar 2021



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09 Mar 2021