

New England Biolabs Certificate of Analysis

Product Name: 1 kb Plus DNA Ladder
 Catalog Number: N3200S
 Concentration: 1,000 µg/ml
 Lot Number: 10049938
 Expiration Date: 06/2021
 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
N3200SVIAL	1 kb Plus DNA Ladder	10047820	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10038961	Pass

Assay Name/Specification	Lot # 10049938
<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
<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

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



Doreen Duquette
Production Scientist
19 Apr 2019



Michael Tonello
Packaging Quality Control Inspector
23 Jul 2019