

## New England Biolabs Certificate of Analysis

Product Name: 1 kb Plus DNA Ladder  
 Catalog Number: N3200S  
 Concentration: 1,000 µg/ml  
 Lot Number: 10038754  
 Expiration Date: 03/2021  
 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	10038752	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10021090	Pass

Assay Name/Specification	Lot # 10038754
<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.	Pass
<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.	Pass
<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.	Pass
<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.	Pass

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



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Doreen Duquette  
Production Scientist  
04 Feb 2019



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Michael Tonello  
Packaging Quality Control Inspector  
14 Mar 2019