

## New England Biolabs Certificate of Analysis

*Product Name:* 1 kb Plus DNA Ladder  
*Catalog Number:* N3200L  
*Concentration:* 1,000 µg/ml  
*Lot Number:* 10019909  
*Expiration Date:* 08/2020  
*Storage Temperature:* -20°C  
*Specification Version:* PS-N3200S/L v2.0

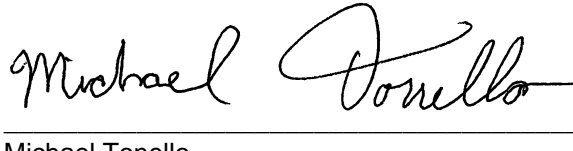
1 kb Plus DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3200LVIAL	1 kb Plus DNA Ladder	10019906	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10014371	Pass

Assay Name/Specification	Lot # 10019909
<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>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
<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

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



Tony Spear-Alfonso  
Production Scientist  
08 Aug 2018



Michael Tonello  
Packaging Quality Control Inspector  
29 Aug 2018