

## New England Biolabs Certificate of Analysis

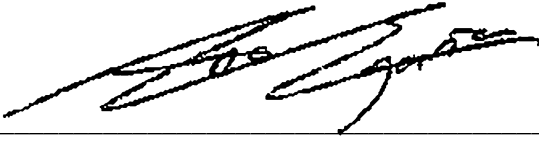
*Product Name:* 1 kb Plus DNA Ladder  
*Catalog Number:* N3200S  
*Concentration:* 1,000 µg/ml  
*Packaging Lot Number:* 10082290  
*Expiration Date:* 02/2022  
*Storage Temperature:* -20°C  
*Specification Version:* PS-N3200S/L v2.0

1 kb Plus DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3200SVIAL	1 kb Plus DNA Ladder	10065658	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10074998	Pass

Assay Name/Specification	Lot # 10082290
<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>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>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.

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



Ana Egana  
Production Scientist  
15 Sep 2020



Michael Tonello  
Packaging Quality Control Inspector  
15 Sep 2020