

New England Biolabs Certificate of Analysis

Product Name: 1 kb Plus DNA Ladder
 Catalog Number: N3200L
 Concentration: 1,000 µg/ml
 Lot Number: 10031813
 Expiration Date: 12/2020
 Storage Temperature: -20°C
 Specification Version: PS-N3200S/L v2.0

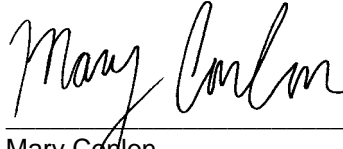
1 kb Plus DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3200LVIAL	1 kb Plus DNA Ladder	10031812	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10021091	Pass

Assay Name/Specification	Lot # 10031813
<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.



Tony Spear-Alfonso
Production Scientist
14 Nov 2018



Mary Conlon
Packaging Quality Control Inspector
31 Dec 2018