

New England Biolabs Certificate of Analysis

Product Name: 1 kb DNA Ladder
Catalog Number: N3232L
Concentration: 500 µg/ml
Unit Definition: N/A
Lot Number: 10039032
Expiration Date: 03/2021
Storage Temperature: -20°C
Storage Conditions: 10 mM Tris-HCl (pH 8.0), 1 mM EDTA
Specification Version: PS-N3232S/L v1.0

1 kb DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3232LVIAL	1 kb DNA Ladder	10039033	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10021090	Pass

Assay Name/Specification	Lot # 10039032
Electrophoretic Pattern The banding pattern of 1 kb DNA Ladder on a 1.2% agarose gel shows discrete, clearly identifiable bands at each size fragment of the marker, when stained with Ethidium Bromide at a concentration of 0.5 µg/ml.	Pass
Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of 1 kb 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
A260/A280 Assay The ratio of UV absorption of 1 kb DNA Ladder at 260 and 280 nm is between 1.8 and 2.0.	Pass
DNA Concentration (A260) The concentration of 1 kb DNA Ladder is between 500 and 550 µg/ml as determined by UV absorption at 260 nm.	Pass

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



Doreen Duquette
Production Scientist
04 Feb 2019



Michael Tonello
Packaging Quality Control Inspector
28 Mar 2019