

New England Biolabs Certificate of Analysis

Product Name: 1 kb DNA Ladder
Catalog Number: N3232S
Concentration: 500 µg/ml
Unit Definition: N/A
Lot Number: 10027019
Expiration Date: 10/2020
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
N3232SVIAL	1 kb DNA Ladder	10027020	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10021091	Pass

Assay Name/Specification	Lot # 10027019
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
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

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

Christopher R. Provost

Chris Provost
Production Scientist
31 Oct 2018

Mary Conlon

Mary Conlon
Packaging Quality Control Inspector
30 Nov 2018