

New England Biolabs Certificate of Analysis

Product Name: 1 kb DNA Ladder
Catalog Number: N3232S
Concentration: 500 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10068088
Expiration Date: 03/2022
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 | 10068087 | Pass |
| B7025SVIAL | Gel Loading Dye, Purple (6X), no SDS | 10064407 | Pass |

| Assay Name/Specification | Lot # 10068088 |
|---|----------------|
| 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.



Vanessa Mathieu-Sheltry
Production Scientist
27 Feb 2020



Jay Minichiello
Packaging Quality Control Inspector
11 Mar 2020