

New England Biolabs Certificate of Analysis

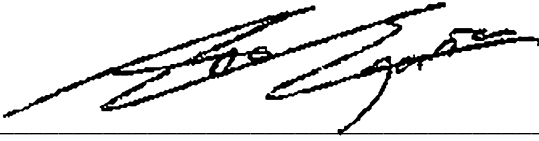
Product Name: 1 kb Plus DNA Ladder
Catalog Number: N3200S
Concentration: 1,000 µg/ml
Packaging Lot Number: 10096516
Expiration Date: 09/2022
Storage Temperature: -20°C
Specification Version: PS-N3200S/L v2.0

| 1 kb Plus DNA Ladder Component List | | | |
|-------------------------------------|--------------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| N3200SVIAL | 1 kb Plus DNA Ladder | 10084439 | Pass |
| B7025SVIAL | Gel Loading Dye, Purple (6X), no SDS | 10089406 | Pass |

| Assay Name/Specification | Lot # 10096516 |
|--|----------------|
| <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.

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



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Production Scientist
27 Jan 2021



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Packaging Quality Control Inspector
27 Jan 2021