

New England Biolabs Certificate of Analysis

Product Name: Quick-Load® Purple 1 kb Plus DNA Ladder
Catalog Number: N0550L
Concentration: 100 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10254234
Expiration Date: 06/2026
Storage Temperature: 4°C
Storage Conditions: 2.5 % Ficoll 400 , 10 mM EDTA , 3.3 mM Tris-HCl, 0.001 % Dye 2 , 0.02 % Dye 1, (pH 8.0 @ 25°C)
Specification Version: PS-N0550S/L v2.0

| Quick-Load® Purple 1 kb Plus DNA Ladder Component List | | | |
|--|---|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| N0550SVIAL | Quick-Load® Purple 1 kb Plus DNA Ladder | 10245448 | Pass |
| B7025SVIAL | Gel Loading Dye, Purple (6X), no SDS | 10234723 | Pass |

| Assay Name/Specification | Lot # 10254234 |
|---|----------------|
| DNA Concentration (A260) The concentration of Quick-Load® Purple 1 kb Plus DNA Ladder is between 100 and 110 µg/ml as determined by UV absorption at 260 nm. | Pass |
| Electrophoretic Pattern (Marker) The banding pattern of Quick-Load® Purple 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. | Pass |
| Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 5 µg of Quick-Load® Purple 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. | 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.



Vanessa Mathieu-Sheltry
Production Scientist
06 Jun 2024



Josh Hersey
Packaging Quality Control Inspector
12 Aug 2024