

## New England Biolabs Certificate of Analysis

**Product Name:** Quick-Load® 1 kb DNA Ladder  
**Catalog Number:** N0468S  
**Concentration:** 50 µg/ml  
**Unit Definition:** N/A  
**Packaging Lot Number:** 10242003  
**Expiration Date:** 03/2026  
**Storage Temperature:** 4°C  
**Storage Conditions:** 3.3 mM Tris-HCl (pH 8.0), 11 mM EDTA , 0.015 % Bromophenol Blue ,  
0.017 % SDS , 2.5 % Ficoll 400  
**Specification Version:** PS-N0468S/L v1.0

| Quick-Load® 1 kb DNA Ladder Component List |                             |            |                      |
|--|-----------------------------|------------|----------------------|
| NEB Part Number                            | Component Description       | Lot Number | Individual QC Result |
| N0468SVIAL                                 | Quick-Load® 1 kb DNA Ladder | 10232873   | Pass                 |


| Assay Name/Specification  | Lot # 10242003 |
|---|----------------|
| <b>DNA Concentration (A260)</b><br>The concentration of Quick-Load® 1 kb DNA Ladder is between 50 and 55 µg/ml as determined by UV absorption at 260 nm.  | <b>Pass</b>    |
| <b>Electrophoretic Pattern (Marker)</b><br>The banding pattern of Quick-Load® 1 kb 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.                        | <b>Pass</b>    |
| <b>Non-Specific DNase Activity (DNA, 16 hour)</b><br>A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of Quick-Load® 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. | <b>Pass</b>    |

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

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11 Apr 2024



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06 Jun 2024