

## New England Biolabs Certificate of Analysis

**Product Name:** Quick-Load<sup>®</sup> 1 kb DNA Ladder  
**Catalog Number:** N0468L  
**Concentration:** 50 µg/ml  
**Unit Definition:** N/A  
**Packaging Lot Number:** 10192489  
**Expiration Date:** 05/2025  
**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 <sup>®</sup> 1 kb DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0468SVIAL	Quick-Load <sup>®</sup> 1 kb DNA Ladder	10191104	Pass

Assay Name/Specification	Lot # 10192489
<b>DNA Concentration (A260)</b> The concentration of Quick-Load <sup>®</sup> 1 kb DNA Ladder is between 50 and 55 µg/ml as determined by UV absorption at 260 nm.	Pass
<b>Electrophoretic Pattern (Marker)</b> The banding pattern of Quick-Load <sup>®</sup> 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.	Pass
<b>Non-Specific DNase Activity (DNA, 16 hour)</b> A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of Quick-Load <sup>®</sup> 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.

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



Vanessa Mathieu-Sheltry  
Production Scientist  
11 May 2023



Michael Tonello  
Packaging Quality Control Inspector  
07 Jul 2023