

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: 10116354
Expiration Date: 07/2023
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	10116351	Pass

Assay Name/Specification	Lot # 10116354
Non-Specific DNase Activity (DNA, 16 hour) 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.	Pass
Electrophoretic Pattern (Marker) 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.	Pass
DNA Concentration (A260) The concentration of Quick-Load® 1 kb DNA Ladder is between 50 and 55 µg/ml as determined by UV absorption at 260 nm.	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.



Ana Egana
Production Scientist
31 Aug 2021



Michael Tonello
Packaging Quality Control Inspector
31 Aug 2021