

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: 10116350
Expiration Date: 05/2023
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	10108565	Pass

Assay Name/Specification	Lot # 10116350
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.

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Ana Egana
Production Scientist
17 Aug 2021



Michael Tonello
Packaging Quality Control Inspector
17 Aug 2021