

New England Biolabs Certificate of Analysis

Product Name: Quick-Load® 100 bp DNA Ladder
Catalog Number: N0467S
Concentration: 50 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10256674
Expiration Date: 08/2026
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-N0467S/L v1.0

Quick-Load® 100 bp DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0467SVIAL	Quick-Load® 100 bp DNA Ladder	10253595	Pass


Assay Name/Specification	Lot # 10256674
DNA Concentration (A260) The concentration of Quick-Load® 100 bp DNA Ladder is between 50 and 55 µg/ml as determined by UV absorption at 260 nm.	Pass
Electrophoretic Pattern (Marker) The banding pattern of Quick-Load® 100 bp 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 2.5 µg of Quick-Load® 100 bp 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
23 Aug 2024



Michael Tonello
Packaging Quality Control Inspector
04 Sep 2024