

New England Biolabs Certificate of Analysis

Product Name: Quick-Load® 1 kb Extend DNA Ladder
Catalog Number: N3239S
Concentration: 50 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10175988
Expiration Date: 12/2024
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-N3239S v1.0

Quick-Load® 1 kb Extend DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3239SVIAL	Quick-Load® 1 kb Extend DNA Ladder	10175377	Pass


Assay Name/Specification	Lot # 10175988
Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of Quick-Load® 1 kb Extend 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 Extend DNA Ladder on a 0.5% 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 Extend 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.



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20 Dec 2022



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22 Dec 2022