

New England Biolabs Certificate of Analysis

Product Name: Quick-Load[®] 1 kb Plus DNA Ladder
Catalog Number: N0469S
Concentration: 100 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10083314
Expiration Date: 07/2022
Storage Temperature: 4°C
Storage Conditions: 3.3 mM Tris-HCl, 11 mM EDTA , 0.015 % Bromophenol Blue , 0.017 % SDS , 2.5 % Ficoll 400, (pH 8.0 @ 25°C)
Specification Version: PS-N0469S/L v2.0

Quick-Load [®] 1 kb Plus DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0469SVIAL	Quick-Load [®] 1 kb Plus DNA Ladder	10080159	Pass

Assay Name/Specification	Lot # 10083314
DNA Concentration (A260) The concentration of Quick-Load [®] 1 kb Plus DNA Ladder is between 100 and 110 µg/ml as determined by UV absorption at 260 nm.	Pass
Electrophoretic Pattern (Marker) The banding pattern of Quick-Load [®] 1 kb Plus 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 5 µg of Quick-Load [®] 1 kb Plus 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.

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Ana Egana
Production Scientist
01 Oct 2020



Michael Tonello
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01 Oct 2020