

New England Biolabs Certificate of Analysis

Product Name: Quick-Load[®] Purple 1 kb Plus DNA Ladder
Catalog Number: N0550S
Concentration: 100 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10175786
Expiration Date: 10/2024
Storage Temperature: 4°C
Storage Conditions: 2.5 % Ficoll 400 , 10 mM EDTA , 3.3 mM Tris-HCl, 0.001 % Dye 2 ,
0.02 % Dye 1, (pH 8.0 @ 25°C)
Specification Version: PS-N0550S/L v2.0

Quick-Load [®] Purple 1 kb Plus DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0550SVIAL	Quick-Load [®] Purple 1 kb Plus DNA Ladder	10166686	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10167589	Pass

Assay Name/Specification	Lot # 10175786
DNA Concentration (A260) The concentration of Quick-Load [®] Purple 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 [®] Purple 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 [®] Purple 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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Vanessa Mathieu-Sheltry
Production Scientist
11 Oct 2022



Michael Tonello
Packaging Quality Control Inspector
22 Dec 2022