

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: 10205101
Expiration Date: 02/2025
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	10180290	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10198643	Pass

Assay Name/Specification	Lot # 10205101
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.

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
15 Feb 2023



Michael Tonello
Packaging Quality Control Inspector
18 Sep 2023