

New England Biolabs Certificate of Analysis

Product Name: Quick-Load[®] Purple 1 kb Plus DNA Ladder
Catalog Number: N0550G
Unit Definition: N/A
Packaging Lot Number: 10147045
Expiration Date: 04/2027
Storage Temperature: 4°C
Storage Conditions: 2.5 % Ficoll 400 , 10 mM EDTA , 3.3 mM Tris-HCl (pH 8.0), 0.001 % Dye 2 , 0.02 % Dye 1
Specification Version: PS-N0550G v1.0

Quick-Load [®] Purple 1 kb Plus DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0550GVIAL	Quick-Load [®] Purple 1 kb Plus DNA Ladder	10147043	Pass

Assay Name/Specification	Lot # 10147045
Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 5 µg of Quick-Load [®] Purple 2-log DNA Ladder (0.1 - 10.0 kb) 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 [®] Purple 2-log DNA Ladder (0.1 - 10.0 kb) 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
DNA Concentration (A260) The concentration of Quick-Load [®] Purple 2-log DNA Ladder (0.1 - 10.0 kb) is between 100 and 110 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.



Vanessa Mathieu-Sheltry
Production Scientist
18 May 2022



Erin Varney
Packaging Quality Control Inspector
18 May 2022