

## New England Biolabs Certificate of Analysis

**Product Name:** Quick-Load<sup>®</sup> Purple 1 kb Plus DNA Ladder  
**Catalog Number:** N0550G  
**Unit Definition:** N/A  
**Packaging Lot Number:** 10217750  
**Expiration Date:** 11/2028  
**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 <sup>®</sup> Purple 1 kb Plus DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0550GVIAL	Quick-Load <sup>®</sup> Purple 1 kb Plus DNA Ladder	10214062	Pass

Assay Name/Specification	Lot # 10217750
<b>DNA Concentration (A260)</b> The concentration of Quick-Load <sup>®</sup> 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
<b>Electrophoretic Pattern (Marker)</b> The banding pattern of Quick-Load <sup>®</sup> 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
<b>Non-Specific DNase Activity (DNA, 16 hour)</b> A 50 µl reaction in 1X NEBuffer 2 containing 5 µg of Quick-Load <sup>®</sup> 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

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](http://www.neb.com/trademarks) for additional information.



Vanessa Mathieu-Sheltry  
Production Scientist  
08 Nov 2023



Josh Hersey  
Packaging Quality Control Inspector  
26 Nov 2023