

## New England Biolabs Certificate of Analysis

**Product Name:** Quick-Load<sup>®</sup> Purple 1 kb DNA Ladder  
**Catalog Number:** N0552S  
**Concentration:** 50 µg/ml  
**Unit Definition:** N/A  
**Packaging Lot Number:** 10100829  
**Expiration Date:** 02/2023  
**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-N0552S v1.0

Quick-Load <sup>®</sup> Purple 1 kb DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0552SVIAL	Quick-Load <sup>®</sup> Purple 1 kb DNA Ladder	10100411	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10093119	Pass

Assay Name/Specification	Lot # 10100829
<b>Non-Specific DNase Activity (DNA, 16 hour)</b> A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of Quick-Load <sup>®</sup> Purple 1kb 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
<b>Electrophoretic Pattern (Marker)</b> The banding pattern of Quick-Load <sup>®</sup> Purple 1kb 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
<b>DNA Concentration (A260)</b> The concentration of Quick-Load <sup>®</sup> Purple 1kb DNA Ladder is between 50 and 55 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](http://www.neb.com/trademarks) for additional information.



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Ana Egana  
Production Scientist  
09 Mar 2021



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Michael Tonello  
Packaging Quality Control Inspector  
09 Mar 2021