

## New England Biolabs Certificate of Analysis

**Product Name:** Quick-Load<sup>®</sup> Purple 1 kb Plus DNA Ladder  
**Catalog Number:** N0550S  
**Concentration:** 100 µg/ml  
**Unit Definition:** N/A  
**Packaging Lot Number:** 10069165  
**Expiration Date:** 03/2022  
**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

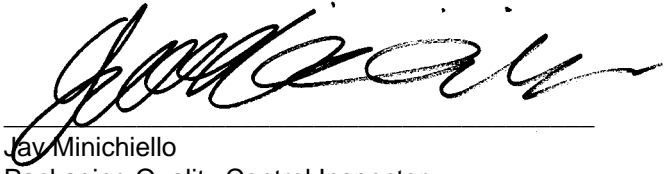
Quick-Load <sup>®</sup> Purple 1 kb Plus DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0550SVIAL	Quick-Load <sup>®</sup> Purple 1 kb Plus DNA Ladder	10069164	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10069106	Pass

Assay Name/Specification	Lot # 10069165
<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 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
<b>Electrophoretic Pattern (Marker)</b> The banding pattern of Quick-Load <sup>®</sup> 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
<b>DNA Concentration (A260)</b> The concentration of Quick-Load <sup>®</sup> Purple 1 kb Plus DNA Ladder 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.



Ana Egana  
Production Scientist  
20 Apr 2020



Jay Minichiello  
Packaging Quality Control Inspector  
20 Apr 2020