

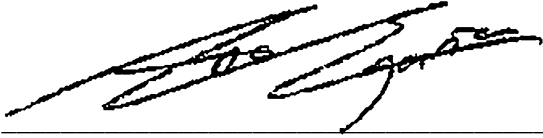
## New England Biolabs Certificate of Analysis

**Product Name:** Quick-Load<sup>®</sup> Purple 100 bp DNA Ladder  
**Catalog Number:** N0551L  
**Concentration:** 50 µg/ml  
**Unit Definition:** N/A  
**Packaging Lot Number:** 10071665  
**Expiration Date:** 04/2022  
**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-N0551S v1.0

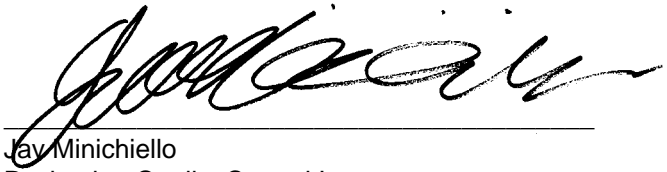
Quick-Load <sup>®</sup> Purple 100 bp DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0551SVIAL	Quick-Load <sup>®</sup> Purple 100 bp DNA Ladder	10070827	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10069106	Pass

Assay Name/Specification	Lot # 10071665
<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 100 bp 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 100 bp 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 100 bp 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.



Ana Egana  
Production Scientist  
30 Apr 2020



Jay Minichiello  
Packaging Quality Control Inspector  
30 Apr 2020