

## New England Biolabs Certificate of Analysis

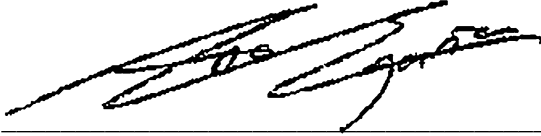
**Product Name:** Quick-Load<sup>®</sup> Purple Low Molecular Weight DNA Ladder  
**Catalog Number:** N0557S  
**Concentration:** 50 µg/ml  
**Unit Definition:** N/A  
**Packaging Lot Number:** 10085990  
**Expiration Date:** 10/2022  
**Storage Temperature:** 4°C  
**Storage Conditions:** 3.3 mM Tris-HCl, 10 mM EDTA, 2.5 % Ficoll<sup>®</sup> 400, 0.001 % Dye 2, 0.02 % Dye 1, (pH 8.0 @ 25°C)  
**Specification Version:** PS-N0557S v1.0

Quick-Load <sup>®</sup> Purple Low Molecular Weight DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0557SVIAL	Quick-Load <sup>®</sup> Purple Low Molecular Weight DNA Ladder	10085991	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10069106	Pass

Assay Name/Specification	Lot # 10085990
<b>DNA Concentration (A260)</b> The concentration of Quick-Load <sup>®</sup> Purple Low Molecular Weight DNA Ladder is between 50 and 55 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 Low Molecular Weight DNA Ladder on a 3% 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 2.5 µg of Quick-Load <sup>®</sup> Purple Low Molecular Weight 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

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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28 Oct 2020



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Michael Tonello  
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28 Oct 2020