

## New England Biolabs Certificate of Analysis

**Product Name:** Quick-Load® Purple 50 bp DNA Ladder  
**Catalog Number:** N0556S  
**Concentration:** 100 µg/ml  
**Unit Definition:** N/A  
**Packaging Lot Number:** 10083487  
**Expiration Date:** 07/2022  
**Storage Temperature:** 4°C  
**Storage Conditions:** 3.3 mM Tris-HCl, 10 mM EDTA, 2.5 % Ficoll® 400, 0.001 % Dye 2, 0.02 % Dye 1, (pH 8.0 @ 25°C)  
**Specification Version:** PS-N0556S v1.0

Quick-Load® Purple 50 bp DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0556SVIAL	Quick-Load® Purple 50 bp DNA Ladder	10077700	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10069106	Pass

Assay Name/Specification	Lot # 10083487
<b>DNA Concentration (A260)</b> The concentration of Quick-Load® Purple 50 bp DNA Ladder 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® Purple 50 bp 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 5 µg of Quick-Load® Purple 50 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

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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16 Oct 2020



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