

New England Biolabs Certificate of Analysis

Product Name: Quick-Load® Purple Low Molecular Weight DNA Ladder
Catalog Number: N0557S
Concentration: 50 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10241003
Expiration Date: 04/2026
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-N0557S v1.0

Quick-Load® Purple Low Molecular Weight DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0557SVIAL	Quick-Load® Purple Low Molecular Weight DNA Ladder	10237444	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10234723	Pass

Assay Name/Specification	Lot # 10241003
DNA Concentration (A260) The concentration of Quick-Load® Purple Low Molecular Weight DNA Ladder is between 50 and 55 µg/ml as determined by UV absorption at 260 nm.	Pass
Electrophoretic Pattern (Marker) The banding pattern of Quick-Load® 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
Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of Quick-Load® 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 for additional information.



Vanessa Mathieu-Sheltry
Production Scientist
16 Apr 2024



Michael Tonello
Packaging Quality Control Inspector
23 Apr 2024