

New England Biolabs Certificate of Analysis

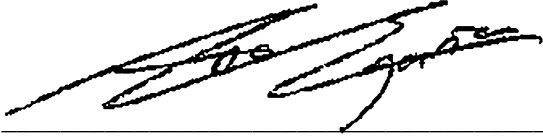
Product Name: Quick-Load[®] Purple Low Molecular Weight DNA Ladder
Catalog Number: N0557S
Concentration: 50 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10104050
Expiration Date: 04/2023
Storage Temperature: 4°C
Storage Conditions: 3.3 mM Tris-HCl, 10 mM EDTA, 2.5 % Ficoll[®] 400, 0.001 % Dye 2, 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	10104049	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10097267	Pass

Assay Name/Specification	Lot # 10104050
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
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
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

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.



Ana Egana
Production Scientist
27 Apr 2021



Michael Tonello
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27 Apr 2021