

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
Lot Number: 10045826
Expiration Date: 05/2021
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	10045827	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10036377	Pass

Assay Name/Specification	Lot # 10045826
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.



Doreen Duquette
Production Scientist
13 Mar 2019



Jay Minichiello
Packaging Quality Control Inspector
18 Jun 2019