

New England Biolabs Certificate of Analysis

Product Name: Quick-Load[®] Purple 100 bp DNA Ladder
Catalog Number: N0551S
Concentration: 50 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10066713
Expiration Date: 10/2021
Storage Temperature: 4°C
Storage Conditions: 2.5 % Ficoll 400 , 10 mM EDTA , 3.3 mM Tris-HCl (pH 8.0), 0.001 % Dye 2 , 0.02 % Dye 1
Specification Version: PS-N0551S v1.0

| Quick-Load [®] Purple 100 bp DNA Ladder Component List | | | |
|---|--|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| N0551SVIAL | Quick-Load [®] Purple 100 bp DNA Ladder | 10057175 | Pass |
| B7025SVIAL | Gel Loading Dye, Purple (6X), no SDS | 10064407 | Pass |

| Assay Name/Specification | Lot # 10066713 |
|--|----------------|
| Electrophoretic Pattern (Marker) The banding pattern of Quick-Load [®] Purple 100 bp DNA Ladder on a 1.2% 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 100 bp DNA Ladder is between 50 and 55 µg/ml as determined by UV absorption at 260 nm. | Pass |
| Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of Quick-Load [®] Purple 100 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.



Vanessa Mathieu-Sheltry
Production Scientist
11 Oct 2019



Josh Hersey
Packaging Quality Control Inspector
15 Mar 2020