

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: 10071664
Expiration Date: 04/2022
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	10070827	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10074977	Pass

Assay Name/Specification	Lot # 10071664
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
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

This product has been tested and shown to be in compliance with all specifications.



Ana Egana
Production Scientist
16 Jun 2020



Michael Tonello
Packaging Quality Control Inspector
16 Jun 2020