

New England Biolabs Certificate of Analysis

Product Name: Quick-Load® Purple 1 kb DNA Ladder
Catalog Number: N0552S
Concentration: 50 µg/ml
Unit Definition: N/A
Lot Number: 10048542
Expiration Date: 07/2021
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-N0552S v1.0

Quick-Load® Purple 1 kb DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0552SVIAL	Quick-Load® Purple 1 kb DNA Ladder	10048541	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10046078	Pass

Assay Name/Specification	Lot # 10048542
DNA Concentration (A260) The concentration of Quick-Load® Purple 1kb 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 1kb 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
Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of Quick-Load® Purple 1kb 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.

Michael Tonello

David Guo
Production Scientist
21 Jun 2019

Michael Tonello
Packaging Quality Control Inspector
24 Jul 2019