

New England Biolabs Certificate of Analysis

Product Name: Quick-Load® Purple 1 kb Plus DNA Ladder
Catalog Number: N0550S
Concentration: 100 µg/ml
Unit Definition: N/A
Lot Number: 10010858
Expiration Date: 06/2020
Storage Temperature: 4°C
Storage Conditions: 2.5 % Ficoll 400 , 10 mM EDTA , 3.3 mM Tris-HCl, 0.001 % Dye 2 ,
0.02 % Dye 1, (pH 8.0 @ 25°C)
Specification Version: PS-N0550S/L v2.0

Quick-Load® Purple 1 kb Plus DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0550SVIAL	Quick-Load® Purple 1 kb Plus DNA Ladder	10010743	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10009594	Pass

Assay Name/Specification	Lot # 10010858
DNA Concentration (A260) The concentration of Quick-Load® Purple 1 kb Plus DNA Ladder is between 100 and 110 µg/ml as determined by UV absorption at 260 nm.	Pass
Electrophoretic Pattern (Marker) The banding pattern of Quick-Load® Purple 1 kb Plus 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 5 µg of Quick-Load® Purple 1 kb Plus 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.

Ben Penta

Ben Penta
Production Scientist
23 May 2018

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
04 Jun 2018