

New England Biolabs Certificate of Analysis

Product Name: Quick-Load® Purple 50 bp DNA Ladder
Catalog Number: N0556S
Concentration: 100 µg/ml
Unit Definition: N/A
Lot Number: 10021329
Expiration Date: 09/2020
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-N0556S v1.0

Quick-Load® Purple 50 bp DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0556SVIAL	Quick-Load® Purple 50 bp DNA Ladder	10021328	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10021087	Pass

Assay Name/Specification	Lot # 10021329
DNA Concentration (A260) The concentration of Quick-Load® Purple 50 bp 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 50 bp 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 5 µg of Quick-Load® Purple 50 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.



Tony Spear-Alfonso
Production Scientist
05 Sep 2018



Michael Tonello
Packaging Quality Control Inspector
19 Sep 2018