

New England Biolabs Certificate of Analysis

Product Name: Quick-Load[®] Purple 50 bp DNA Ladder
Catalog #: N0556S
Concentration: 100 µg/ml
Unit Definition: N/A
Lot #: 0021710
Assay Date: 10/2017
Expiration Date: 10/2019
Storage Temp: 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
Effective Date: 31 Mar 2017

Assay Name/Specification (minimum release criteria)	Lot #0021710
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



Authorized by
Derek Robinson
31 Mar 2017



Inspected by
Vanessa Mathieu-Sheltry
13 Oct 2017

