

New England Biolabs Certificate of Analysis

Product Name: Quick-Load[®] Low Molecular Weight DNA Ladder
Catalog #: N0474S
Concentration: 50 µg/ml
Unit Definition: N/A
Lot #: 0051401
Assay Date: 01/2014
Expiration Date: 01/2016
Storage Temp: 4 °C
Storage Conditions: 3.3 mM Tris-HCl (pH 8.0), 11 mM EDTA , 0.015 % Bromophenol Blue , 0.017 % SDS , 2.5 % Ficoll 400
Specification Version: PS-N0474S v1.0
Effective Date: 25 Jun 2014

Assay Name/Specification (minimum release criteria)	Lot #0051401
DNA Concentration (A260) - The concentration of Quick-Load [®] Low Molecular Weight 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 [®] Low Molecular Weight 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 2.5 µg of Quick-Load [®] Low Molecular Weight 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
25 Jun 2014



Inspected by
Vanessa Mathieu-Sheltry
23 Jul 2014

