

New England Biolabs Certificate of Analysis

Product Name: Quick-Load[®] 1 kb DNA Ladder
Catalog #: N0468S/L
Concentration: 50 µg/ml
Unit Definition: N/A
Lot #: 0481511
Assay Date: 11/2015
Expiration Date: 11/2017
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-N0468S/L v1.0
Effective Date: 26 Oct 2015

| Assay Name/Specification (minimum release criteria) | Lot #0481511 |
|--|--------------|
| DNA Concentration (A260) - The concentration of Quick-Load [®] 1 kb 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 [®] 1 kb 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 [®] 1 kb 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
26 Oct 2015



Inspected by
Vanessa Mathieu-Sheltry
11 Nov 2015

