

New England Biolabs Certificate of Analysis

Product Name: 100 bp DNA Ladder
Catalog #: N3231S/L
Concentration: 500 µg/ml
Unit Definition: N/A
Lot #: 1021401
Assay Date: 01/2014
Expiration Date: 01/2016
Storage Temp: -20 °C
Storage Conditions: 10 mM Tris-HCl (pH 8.0), 1 mM EDTA
Specification Version: PS-N3231S/L v1.0
Effective Date: 15 Jul 2014

Assay Name/Specification (minimum release criteria)	Lot #1021401
A260/A280 Assay - The ratio of UV absorption of 100 bp DNA Ladder at 260 and 280 nm is between 1.8 and 2.0.	Pass
DNA Concentration (A260) - The concentration of 100 bp DNA Ladder is between 500 and 550 µg/ml as determined by UV absorption at 260 nm.	Pass
Electrophoretic Pattern (Marker) - The banding pattern of 100 bp 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 100 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
15 Jul 2014



Inspected by
Vanessa Mathieu-Sheltry
24 Jul 2014

