

New England Biolabs Certificate of Analysis

Product Name: *Mass DNA Ladder*
Catalog #: *N3237S*
Concentration: *50 µg/ml*
Unit Definition: *N/A*
Lot #: *0021407*
Assay Date: *07/2014*
Expiration Date: *07/2016*
Storage Temp: *4 °C*
Storage Conditions: *3.3 mM Tris-HCl (pH 8.0), 11 mM EDTA , 0.15 % Orange G , 0.017 % SDS , 2.5 % Ficoll 400*
Specification Version: *PS-N3237S v1.0*
Effective Date: *25 Jun 2014*

Assay Name/Specification (minimum release criteria)	Lot #0021407
DNA Concentration (A260) - The concentration of Mass 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 Mass 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 Mass 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
24 Jul 2014

