

New England Biolabs Certificate of Analysis

Product Name: *Low Molecular Weight DNA Ladder*
Catalog #: *N3233S/L*
Concentration: *500 µg/ml*
Unit Definition: *N/A*
Lot #: *0091401*
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-N3233S/L v1.0*
Effective Date: *25 Jun 2014*

Assay Name/Specification (minimum release criteria)	Lot #0091401
A260/A280 Assay - The ratio of UV absorption of Low Molecular Weight DNA Ladder at 260 and 280 nm is between 1.8 and 2.0.	Pass
DNA Concentration (A260) - The concentration of Low Molecular Weight 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 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 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
24 Jul 2014

