

## New England Biolabs Certificate of Analysis

**Product Name:** *Mass DNA Ladder*  
**Catalog #:** *N3237S*  
**Concentration:** *50 µg/ml*  
**Unit Definition:** *N/A*  
**Lot #:** *0021401*  
**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 , 0.15 % 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 #0021401
<b>DNA Concentration (A260)</b> - The concentration of Mass DNA Ladder is between 50 and 55 µg/ml as determined by UV absorption at 260 nm.	<b>Pass</b>
<b>Electrophoretic Pattern (Marker)</b> - 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.	<b>Pass</b>
<b>Non-Specific DNase Activity (DNA, 16 hour)</b> - 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.	<b>Pass</b>



Authorized by  
Derek Robinson  
25 Jun 2014



Inspected by  
Vanessa Mathieu-Sheltry  
30 Jan 2014

