

## New England Biolabs Certificate of Analysis

**Product Name:** *Fast DNA Ladder*  
**Catalog Number:** *N3238S*  
**Concentration:** *25 µg/ml*  
**Unit Definition:** *N/A*  
**Lot Number:** *10049800*  
**Expiration Date:** *07/2021*  
**Storage Temperature:** *4°C*  
**Storage Conditions:** *0.002 % Xylene cyanol , 5 mM Tris-HCl (pH 8.0), 5 mM EDTA , 5 % Glycerol*  
**Specification Version:** *PS-N3238S v1.0*

Fast DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3238SVIAL	Fast DNA Ladder	10049801	Pass

Assay Name/Specification	Lot # 10049800
<b>DNA Concentration (A260)</b> The concentration of Fast DNA Ladder is between 25 and 27.5 µg/ml as determined by UV absorption at 260 nm.	Pass
<b>Electrophoretic Pattern (Marker)</b> The banding pattern of Fast 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
<b>Non-Specific DNase Activity (DNA, 16 hour)</b> A 50 µl reaction in 1X NEBuffer 2 containing 1.25 µg of Fast 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

This product has been tested and shown to be in compliance with all specifications.



Vanessa Mathieu-Sheltry  
Production Scientist  
19 Jul 2019



Michael Tonello  
Packaging Quality Control Inspector  
22 Jul 2019