

## New England Biolabs Certificate of Analysis

**Product Name:** Fast DNA Ladder  
**Catalog Number:** N3238S  
**Concentration:** 25 µg/ml  
**Unit Definition:** N/A  
**Packaging Lot Number:** 10056093  
**Expiration Date:** 10/2021  
**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	10056094	Pass

Assay Name/Specification	Lot # 10056093
<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>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
<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

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



Vanessa Mathieu-Sheltry  
Production Scientist  
22 Oct 2019



Jay Minichiello  
Packaging Quality Control Inspector  
04 Nov 2019