

## 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:** 10155991  
**Expiration Date:** 08/2024  
**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	10155990	Pass

Assay Name/Specification	Lot # 10155991
<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.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.



Vanessa Mathieu-Sheltry  
Production Scientist  
29 Jul 2022



Michael Tonello  
Packaging Quality Control Inspector  
29 Jul 2022