

240 County Road Ipswich, MA 01938-2723 Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

New England Biolabs Certificate of Analysis

Product Name: 100 bp DNA Ladder

Catalog Number: N3231S
Concentration: 500 μg/ml

Unit Definition: N/A

Packaging Lot Number: 10072221
Expiration Date: 11/2021
Storage Temperature: -20°C

Storage Conditions: 10 mM Tris-HCl (pH 8.0), 1 mM EDTA

Specification Version: PS-N3231S/L v1.0

100 bp DNA Ladder Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
N3231SVIAL	100 bp DNA Ladder	10058786	Pass	
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10074977	Pass	

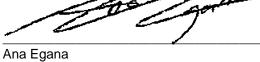
Assay Name/Specification	Lot # 10072221
A260/A280 Assay The ratio of UV absorption of 100 bp DNA Ladder at 260 and 280 nm is between 1.8 and 2.0.	Pass
DNA Concentration (A260) The concentration of 100 bp DNA Ladder is between 500 and 550 μg/ml as determined by UV absorption at 260 nm.	Pass
Electrophoretic Pattern (Marker) The banding pattern of 100 bp 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
Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of 100 bp 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.



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Ana Egana
Production Scientist
15 Jul 2020

Michael Tonello

Packaging Quality Control Inspector

15 Jul 2020

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