

New England Biolabs Certificate of Analysis

Product Name: 50 bp DNA Ladder
Catalog Number: N3236L
Concentration: 1,000 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10208342
Expiration Date: 08/2025
Storage Temperature: -20°C
Storage Conditions: 10 mM Tris-HCl (pH 8.0), 1 mM EDTA
Specification Version: PS-N3236S/L v1.0

50 bp DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3236LVIAL	50 bp DNA Ladder	10201217	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10198643	Pass

Assay Name/Specification	Lot # 10208342
A260/A280 Assay The ratio of UV absorption of 50 bp DNA Ladder at 260 and 280 nm is between 1.8 and 2.0.	Pass
DNA Concentration (A260) The concentration of 50 bp DNA Ladder is between 1000 and 1050 µg/ml as determined by UV absorption at 260 nm.	Pass
Electrophoretic Pattern (Marker) The banding pattern of 50 bp DNA Ladder on a 3% 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 5 µg of 50 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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24 Aug 2023



Michael Tonello
Packaging Quality Control Inspector
02 Nov 2023