

New England Biolabs Certificate of Analysis

Product Name: 50 bp DNA Ladder
Catalog Number: N3236S
Concentration: 1,000 µg/ml
Unit Definition: N/A
Lot Number: 10044883
Expiration Date: 05/2021
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
N3236SVIAL	50 bp DNA Ladder	10044884	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10038961	Pass

Assay Name/Specification	Lot # 10044883
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.



Doreen Duquette
Production Scientist
19 Apr 2019



Jay Minichiello
Packaging Quality Control Inspector
05 Jun 2019