

New England Biolabs Certificate of Analysis

Product Name: *TriDye™ 100 bp DNA Ladder*
Catalog Number: *N3271S*
Concentration: *50 µg/ml*
Unit Definition: *N/A*
Packaging Lot Number: *10273066*
Expiration Date: *11/2026*
Storage Temperature: *4°C*
Storage Conditions: *0.006 % Xylene cyanol , 10 mM Tris-HCl, 10 mM EDTA , 10 % Glycerol ,
0.006 % Bromophenol Blue , 0.06 % Orange G, (pH 8.0 @ 25°C)*
Specification Version: *PS-N3271S v2.0*

TriDye™ 100 bp DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3271SVIAL	TriDye™ 100 bp DNA Ladder	10264936	Pass

Assay Name/Specification	Lot # 10273066
DNA Concentration (A260) The concentration of TriDye™ 100 bp DNA Ladder is between 50 and 55 µg/ml as determined by UV absorption at 260 nm.	Pass
Electrophoretic Pattern (Marker) The banding pattern of TriDye™ 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 TriDye™ 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.

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



Vanessa Mathieu-Sheltry
Production Scientist
20 Dec 2024



Josh Hersey
Packaging Quality Control Inspector
03 Jan 2025