

New England Biolabs Certificate of Analysis

Product Name: *TriDye™ 100 bp DNA Ladder*
Catalog Number: *N3271S*
Concentration: *50 µg/ml*
Unit Definition: *N/A*
Lot Number: *10045822*
Expiration Date: *05/2021*
Storage Temperature: *4°C*
Storage Conditions: *0.006 % Xylene cyanol , 10 mM Tris-HCl (pH 7.9), 10 mM EDTA , 10 % Glycerol , 0.006 % Bromophenol Blue , 0.06 % Orange G*
Specification Version: *PS-N3271S v1.0*

TriDye™ 100 bp DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3271SVIAL	TriDye™ 100 bp DNA Ladder	10045823	Pass

Assay Name/Specification	Lot # 10045822
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
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
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

This product has been tested and shown to be in compliance with all specifications.



Vanessa Mathieu-Sheltry
Production Scientist
24 May 2019



Jay Minichiello
Packaging Quality Control Inspector
31 May 2019