

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: 10064297
Expiration Date: 01/2022
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	10064296	Pass

Assay Name/Specification	Lot # 10064297
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
09 Jan 2020



Jay Minichiello
Packaging Quality Control Inspector
13 Feb 2020