

New England Biolabs Certificate of Analysis

Product Name: *TriDye™ 100 bp DNA Ladder*
Catalog #: *N3271S*
Concentration: *50 µg/ml*
Unit Definition: *N/A*
Lot #: *0161407*
Assay Date: *07/2014*
Expiration Date: *07/2016*
Storage Temp: *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*
Effective Date: *25 Jun 2014*

Assay Name/Specification (minimum release criteria)	Lot #0161407
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



Authorized by
Derek Robinson
25 Jun 2014



Inspected by
Vanessa Mathieu-Sheltry
25 Jul 2014

