240 County Road
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New England Biolabs
Certificate of Analysis

Product Name:	*TriDye™ 1 kb Plus DNA Ladder*
Catalog Number:	*N3270S*
Concentration:	*100 µg/ml*
Unit Definition:	*N/A*
Packaging Lot Number:	*10277324*
Expiration Date:	*01/2027*
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-N3270S v3.0*

TriDye™ 1 kb Plus DNA Ladder Component List			
NEB Part Number	**Component Description**	**Lot Number**	**Individual QC Result**
N3270SVIAL	TriDye™ 1 kb Plus DNA Ladder	10273417	**Pass**

Assay Name/Specification	**Lot # 10277324**
DNA Concentration (A260) The concentration of TriDye™ 1 kb Plus DNA Ladder is between 100 and 110 µg/ml as determined by UV absorption at 260 nm.	**Pass**
Electrophoretic Pattern (Marker) The banding pattern of TriDye™ 1 kb Plus 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 5 µg of TriDye™ 1 kb Plus 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.

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