

## New England Biolabs Certificate of Analysis

**Product Name:** *TriDye™ 2-Log DNA Ladder (0.1 - 10.0 kb)*  
**Catalog #:** *N3270S*  
**Concentration:** *100 µg/ml*  
**Unit Definition:** *N/A*  
**Lot #:** *0121709*  
**Assay Date:** *09/2017*  
**Expiration Date:** *9/2019*  
**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-N3270S v1.0*  
**Effective Date:** *08 Dec 2016*

Assay Name/Specification (minimum release criteria)	Lot #0121709
<b>DNA Concentration (A260)</b> - The concentration of TriDye™ 2-Log DNA Ladder (0.1 - 10.0 kb) is between 100 and 110 µg/ml as determined by UV absorption at 260 nm.	<b>Pass</b>
<b>Electrophoretic Pattern (Marker)</b> - The banding pattern of TriDye™ 2-Log DNA Ladder (0.1 - 10.0 kb) 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.	<b>Pass</b>
<b>Non-Specific DNase Activity (DNA, 16 hour)</b> - A 50 µl reaction in 1X NEBuffer 2 containing 5 µg of TriDye™ 2-Log DNA Ladder (0.1 - 10.0 kb) incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	<b>Pass</b>



Authorized by  
Derek Robinson  
08 Dec 2016



Inspected by  
Vanessa Mathieu-Sheltry  
20 Sep 2017

