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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 #:	*0121612*
Assay Date:	*12/2016*
Expiration Date:	*12/2018*
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 #0121612**
DNA Concentration (A260) - 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.	**Pass**
Electrophoretic Pattern (Marker) - 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.	**Pass**
Non-Specific DNase Activity (DNA, 16 hour) - 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.	**Pass**

Authorized by
Derek Robinson
08 Dec 2016

Inspected by
Vanessa Mathieu-Sheltry
10 Jan 2017

ISO 9001 Registered Quality Management
ISO 14001 Registered Environmental Management
ISO 13485 Registered Medical Devices