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New England Biolabs
Certificate of Analysis

Product Name:	*2-Log DNA Ladder (0.1-10.0 kb)*
Catalog #:	*N3200S/L*
Concentration:	*1 mg/ml*
Unit Definition:	*N/A*
Lot #:	*0841611*
Assay Date:	*11/2016*
Expiration Date:	*11/2018*
Storage Temp:	*-20°C*
Storage Conditions:	*10 mM Tris-HCl (pH 8.0), 1 mM EDTA*
Specification Version:	*PS-N3200S/L v1.0*
Effective Date:	*13 Jul 2016*

Assay Name/Specification (minimum release criteria)	**Lot #0841611**
A260/A280 Assay - The ratio of UV absorption of 2-Log DNA Ladder (0.1-10.0 kb) at 260 and 280 nm is between 1.8 and 2.0.	**Pass**
DNA Concentration (A260) - The concentration of 2-Log DNA Ladder (0.1-10.0 kb) is between 1000 and 1050 µg/ml as determined by UV absorption at 260 nm.	**Pass**
Electrophoretic Pattern (Marker) - The banding pattern of 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 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
13 Jul 2016

Inspected by
Vanessa Mathieu-Sheltry
08 Nov 2016

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