

New England Biolabs Certificate of Analysis

Product Name: *Supercoiled DNA Ladder*
Catalog #: *N0472S*
Concentration: *500 µg/ml*
Unit Definition: *N/A*
Lot #: *0021511*
Assay Date: *11/2015*
Expiration Date: *11/2017*
Storage Temp: *-20°C*
Storage Conditions: *10 mM Tris-HCl (pH 8.0), 1 mM EDTA*
Specification Version: *PS-N0472S v1.0*
Effective Date: *25 Jun 2014*

| Assay Name/Specification (minimum release criteria) | Lot #0021511 |
|---|--------------|
| A260/A280 Assay - The ratio of UV absorption of Supercoiled DNA Ladder at 260 and 280 nm is between 1.8 and 2.0. | Pass |
| DNA Concentration (A260) - The concentration of Supercoiled DNA Ladder is between 500 and 550 µg/ml as determined by UV absorption at 260 nm. | Pass |
| Electrophoretic Pattern (Marker) - The banding pattern of Supercoiled DNA Ladder on a 0.8% 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 Supercoiled 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
24 Nov 2015

