Product Name: 1 kb DNA Ladder
Catalog Number: N3232L
Concentration: 500 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10182381
Expiration Date: 03/2025
Storage Temperature: -20°C
Storage Conditions: 10 mM Tris-HCl (pH 8.0), 1 mM EDTA
Specification Version: PS-N3232S/L v1.0

1 kb DNA Ladder Component List

<table>
<thead>
<tr>
<th>NEB Part Number</th>
<th>Component Description</th>
<th>Lot Number</th>
<th>Individual QC Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>N3232LVIAL</td>
<td>1 kb DNA Ladder</td>
<td>10180333</td>
<td>Pass</td>
</tr>
<tr>
<td>B7025SVIAL</td>
<td>Gel Loading Dye, Purple (6X), no SDS</td>
<td>10167589</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Assay Name/Specification

A260/A280 Assay
The ratio of UV absorption of 1 kb DNA Ladder at 260 and 280 nm is between 1.8 and 2.0.

DNA Concentration (A260)
The concentration of 1 kb DNA Ladder is between 500 and 550 µg/ml as determined by UV absorption at 260 nm.

Electrophoretic Pattern
The banding pattern of 1 kb DNA Ladder on a 1.2% agarose gel shows discrete, clearly identifiable bands at each size fragment of the marker, when stained with Ethidium Bromide at a concentration of 0.5 µg/ml.

Non-Specific DNase Activity (DNA, 16 hour)
A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of 1 kb 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.

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.