Product Name: Quick-Load® Purple 1 kb Plus DNA Ladder
Catalog Number: N0550L
Concentration: 100 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10097996
Expiration Date: 12/2022
Storage Temperature: 4°C
Storage Conditions: 2.5% Ficoll 400, 10 mM EDTA, 3.3 mM Tris-HCl, 0.001% Dye 2, 0.02% Dye 1, (pH 8.0 @ 25°C)
Specification Version: PS-N0550S/L v2.0

Quick-Load® Purple 1 kb Plus 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>N0550SVIAL</td>
<td>Quick-Load® Purple 1 kb Plus DNA Ladder</td>
<td>10092850</td>
<td>Pass</td>
</tr>
<tr>
<td>B7025SVIAL</td>
<td>Gel Loading Dye, Purple (6X), no SDS</td>
<td>10093119</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Assay Name/Specification

<table>
<thead>
<tr>
<th>Assay Name/Specification</th>
<th>Lot # 10097996</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNA Concentration (A260)</td>
<td>Pass</td>
</tr>
<tr>
<td>The concentration of Quick-Load® Purple 1 kb Plus DNA Ladder is between 100 and 110 µg/ml as determined by UV absorption at 260 nm.</td>
<td></td>
</tr>
</tbody>
</table>

Electrophoretic Pattern (Marker)

The banding pattern of Quick-Load® Purple 1 kb Plus DNA Ladder 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.

Non-Specific DNase Activity (DNA, 16 hour)

A 50 µl reaction in 1X NEBuffer 2 containing 5 µg of Quick-Load® Purple 1 kb Plus 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.
Ana Egana
Production Scientist
17 Feb 2021

Michael Tonello
Packaging Quality Control Inspector
17 Feb 2021