Product Name: Quick-Load® Purple 100 bp DNA Ladder
Catalog Number: N0551L
Concentration: 50 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10137436
Expiration Date: 01/2024
Storage Temperature: 4°C
Storage Conditions: 2.5 % Ficoll 400, 10 mM EDTA, 3.3 mM Tris-HCl (pH 8.0), 0.001 % Dye 2, 0.02 % Dye 1
Specification Version: PS-N0551S v1.0

Quick-Load® Purple 100 bp 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>N0551SVIAL</td>
<td>Quick-Load® Purple 100 bp DNA Ladder</td>
<td>10137435</td>
<td>Pass</td>
</tr>
<tr>
<td>B7025SVIAL</td>
<td>Gel Loading Dye, Purple (6X), no SDS</td>
<td>10132771</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Assay Name/Specification Lot # 10137436

Electrophoretic Pattern (Marker)
The banding pattern of Quick-Load® Purple 100 bp 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. Pass

DNA Concentration (A260) The concentration of Quick-Load® Purple 100 bp DNA Ladder is between 50 and 55 µg/ml as determined by UV absorption at 260 nm. Pass

Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of Quick-Load® Purple 100 bp 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

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.
Vanessa Mathieu-Sheltry
Production Scientist
22 Feb 2022

Josh Hersey
Packaging Quality Control Inspector
22 Feb 2022