

New England Biolabs Certificate of Analysis

Product Name: Quick-Load[®] 1 kb Extend DNA Ladder
Catalog Number: N3239S
Concentration: 50 µg/ml
Unit Definition: N/A
Lot Number: 10021327
Expiration Date: 09/2020
Storage Temperature: 4°C
Storage Conditions: 3.3 mM Tris-HCl (pH 8.0), 11 mM EDTA , 0.015 % Bromophenol Blue ,
0.017 % SDS , 2.5 % Ficoll 400
Specification Version: PS-N3239S v1.0

| Quick-Load [®] 1 kb Extend DNA Ladder Component List | | | |
|---|--|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| N3239SVIAL | Quick-Load [®] 1 kb Extend DNA Ladder | 10020711 | Pass |

| Assay Name/Specification | Lot # 10021327 |
|--|----------------|
| DNA Concentration (A260) The concentration of Quick-Load [®] 1 kb Extend DNA Ladder is between 50 and 55 µg/ml as determined by UV absorption at 260 nm. | Pass |
| Electrophoretic Pattern (Marker) The banding pattern of Quick-Load [®] 1 kb Extend DNA Ladder on a 0.5% 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 Quick-Load [®] 1 kb Extend 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.



Vanessa Mathieu-Sheltry
Production Scientist
30 Aug 2018



Michael Tonello
Packaging Quality Control Inspector
18 Sep 2018