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New England Biolabs Certificate of Analysis

Product Name: Low Molecular Weight DNA Ladder

Catalog Number:N3233LConcentration:500 μg/ml

Unit Definition: N/A

Lot Number: 10050601
Expiration Date: 04/2021
Storage Temperature: -20°C

Storage Conditions: 10 mM Tris-HCl (pH 8.0), 1 mM EDTA

Specification Version: PS-N3233S/L v1.0

| Low Molecular Weight DNA Ladder Component List | | | |
|--|--------------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| N3233LVIAL | Low Molecular Weight DNA Ladder | 10042933 | Pass |
| B7025SVIAL | Gel Loading Dye, Purple (6X), no SDS | 10036377 | Pass |

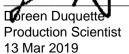
| Assay Name/Specification | Lot # 10050601 |
|---|----------------|
| A260/A280 Assay The ratio of UV absorption of Low Molecular Weight DNA Ladder at 260 and 280 nm is between 1.8 and 2.0. | Pass |
| DNA Concentration (A260) The concentration of Low Molecular Weight DNA Ladder is between 500 and 550 μg/ml as determined by UV absorption at 260 nm. | Pass |
| Electrophoretic Pattern (Marker) The banding pattern of Low Molecular Weight DNA Ladder on a 3% 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 Low Molecular Weight 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.



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Michael Tonello

Packaging Quality Control Inspector

08 Aug 2019