

New England Biolabs Certificate of Analysis

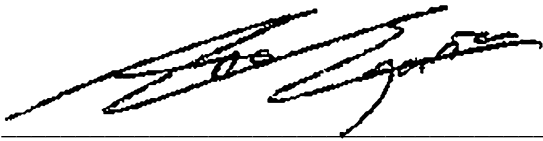
Product Name: Low Molecular Weight DNA Ladder
Catalog Number: N3233S
Concentration: 500 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10095182
Expiration Date: 11/2022
Storage Temperature: -20°C
Storage Conditions: 10 mM Tris-HCl (pH 8.0), 1 mM EDTA
Specification Version: PS-N3233S/L v1.0

Low Molecular Weight DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3233SVIAL	Low Molecular Weight DNA Ladder	10089136	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10089406	Pass


Assay Name/Specification	Lot # 10095182
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
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
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

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.



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Production Scientist
20 Jan 2021



Michael Tonello
Packaging Quality Control Inspector
20 Jan 2021