

New England Biolabs Certificate of Analysis

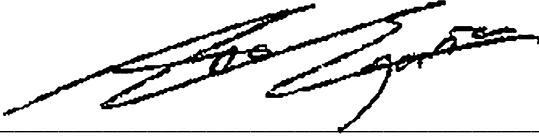
Product Name: PCR Marker
Catalog Number: N3234S
Concentration: 300 µg/ml
Unit Definition: N/A
Packaging Lot Number: 10109171
Expiration Date: 05/2023
Storage Temperature: -20°C
Storage Conditions: 10 mM Tris-HCl (pH 8.0), 1 mM EDTA
Specification Version: PS-N3234S/L v1.0

PCR Marker Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3234SVIAL	PCR Marker	10109172	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10105816	Pass

Assay Name/Specification	Lot # 10109171
DNA Concentration (A260) The concentration of PCR Marker is between 300 and 315 µg/ml as determined by UV absorption at 260 nm.	Pass
A260/A280 Assay The ratio of UV absorption of PCR Marker at 260 and 280 nm is between 1.8 and 2.0.	Pass
Electrophoretic Pattern (Marker) The banding pattern of PCR Marker 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 1.5 µg of PCR Marker 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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Ana Egana
Production Scientist
24 Jun 2021



Michael Tonello
Packaging Quality Control Inspector
24 Jun 2021