

New England Biolabs Certificate of Analysis

Product Name: PCR Marker
Catalog Number: N3234L
Concentration: 300 µg/ml
Unit Definition: N/A
Lot Number: 10027562
Expiration Date: 10/2020
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 |
| N3234LVIAL | PCR Marker | 10024712 | Pass |
| B7025SVIAL | Gel Loading Dye, Purple (6X), no SDS | 10014371 | Pass |

| Assay Name/Specification | Lot # 10027562 |
|--|----------------|
| A260/A280 Assay The ratio of UV absorption of PCR Marker at 260 and 280 nm is between 1.8 and 2.0. | Pass |
| DNA Concentration (A260) The concentration of PCR Marker is between 300 and 315 µg/ml as determined by UV absorption at 260 nm. | 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.



Tony Spear-Alfonso
Production Scientist
08 Aug 2018



Michael Tonello
Packaging Quality Control Inspector
01 Nov 2018