

## New England Biolabs Certificate of Analysis

**Product Name:** PCR Marker  
**Catalog Number:** N3234S  
**Concentration:** 300 µg/ml  
**Unit Definition:** N/A  
**Lot Number:** 10027560  
**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
N3234SVIAL	PCR Marker	10024713	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10021087	Pass

Assay Name/Specification	Lot # 10027560
<b>A260/A280 Assay</b> The ratio of UV absorption of PCR Marker at 260 and 280 nm is between 1.8 and 2.0.	Pass
<b>DNA Concentration (A260)</b> The concentration of PCR Marker is between 300 and 315 µg/ml as determined by UV absorption at 260 nm.	Pass
<b>Electrophoretic Pattern (Marker)</b> 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
<b>Non-Specific DNase Activity (DNA, 16 hour)</b> 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  
05 Sep 2018



Josh Hersey  
Packaging Quality Control Inspector  
21 Nov 2018