

## New England Biolabs Certificate of Analysis

Product Name: *Taq PCR Kit*  
 Catalog Number: *E5000S*  
 Packaging Lot Number: *10147604*  
 Expiration Date: *01/2024*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E5000S v2.0*

Taq PCR Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0550AVIAL	Quick-Load® Purple 1 kb Plus DNA Ladder	10143715	Pass
N0447SVIAL	Deoxynucleotide (dNTP) Solution Mix	10136891	Pass
M0273AVIAL	Taq DNA Polymerase with Standard Taq Buffer	10139770	Pass
B9021SVIAL	Magnesium Chloride (MgCl <sub>2</sub> ) Solution	10135558	Pass
B9015SVIAL	Standard Taq (Mg-free) Reaction Buffer Pack	10122836	Pass
B9014SVIAL	Standard Taq Reaction Buffer Pack	10143506	Pass

Assay Name/Specification	Lot # 10147604
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in Taq PCR Kit and meet the designated specifications.</p>	<b>Pass</b>
<p><b>PCR Amplification (5.0 kb Lambda DNA)</b>            A 50 µl reaction in Standard Taq Reaction Buffer in the presence of 200 µM dNTPs and 0.2 µM primers containing 5 ng Lambda DNA with 1.25 units of Taq DNA Polymerase for 25 cycles of PCR amplification results in the expected 5.0 kb product.</p>	<b>Pass</b>

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](http://www.neb.com/trademarks) for additional information.

*Christie Vazquez*

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Christie Vazquez  
Production Scientist  
14 Apr 2022

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
14 Apr 2022