

## New England Biolabs Certificate of Analysis

Product Name: *Taq PCR Kit*  
 Catalog Number: *E5000S*  
 Packaging Lot Number: *10092410*  
 Expiration Date: *04/2022*  
 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          | 10086529   | Pass                 |
| N0447SVIAL                 | Deoxynucleotide (dNTP) Solution Mix              | 10090187   | Pass                 |
| M0273AVIAL                 | Taq DNA Polymerase with Standard Taq Buffer      | 10072035   | Pass                 |
| B9021SVIAL                 | Magnesium Chloride (MgCl <sub>2</sub> ) Solution | 10069800   | Pass                 |
| B9015SVIAL                 | Standard Taq (Mg-free) Reaction Buffer Pack      | 10033771   | Pass                 |
| B9014SVIAL                 | Standard Taq Reaction Buffer Pack                | 10092735   | Pass                 |

| Assay Name/Specification  | Lot # 10092410 |
|---|----------------|
| <b>PCR Amplification (5.0 kb Lambda DNA)</b><br>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. | Pass           |
| <b>* Individual Product Component Note</b><br>Standard Quality Control Tests are performed for each component included in Taq PCR Kit and meet the designated specifications.   | 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](http://www.neb.com/trademarks) for additional information.

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12 Jan 2021

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