

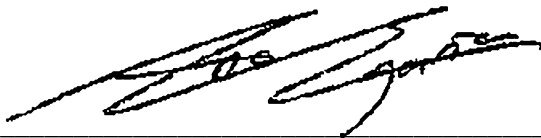
## New England Biolabs Certificate of Analysis

**Product Name:** *Monarch Total RNA Miniprep Enzyme Pack*  
**Catalog Number:** *T2019L*  
**Packaging Lot Number:** *10097587*  
**Expiration Date:** *04/2023*  
**Storage Temperature:** *25°C*  
**Specification Version:** *PS-T2019L v2.0*

Assay Name/Specification	Lot # 10097587
<b>Functional Testing (DNase I, Monarch<sup>®</sup>)</b> A 50 µl reaction in Monarch <sup>®</sup> DNase I Reaction Buffer with 1 µg of pBR322 and 5 mU Monarch <sup>®</sup> DNase I incubated for 10 minutes at 37°C results in digestion of the DNA fragments to ≤500 bp as determined by agarose gel electrophoresis.	<b>Pass</b>
<b>Functional Testing (Proteinase K, Monarch<sup>®</sup>)</b> A 20 µl reaction in Monarch <sup>®</sup> Proteinase K Reaction Buffer with 10 µg of MBP5 and 50 ng Monarch <sup>®</sup> Proteinase K incubated for 5 minutes at 37°C results in >75% digestion of the protein as determined by SDS-PAGE using Coomassie Blue detection.	<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.



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 10 Jun 2021



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