

## New England Biolabs Certificate of Analysis


**Product Name:** *Monarch® Buffer BZ*  
**Catalog Number:** *T1114L*  
**Packaging Lot Number:** *10276363*  
**Expiration Date:** *02/2028*  
**Storage Temperature:** *25°C*  
**Specification Version:** *PS-T1114L v1.0*

Monarch® Buffer BZ Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T1114-5	Monarch® Buffer BZ	10276278	Pass

Assay Name/Specification	Lot # 10276363
<b>Endonuclease Activity (Nicking)</b> A 50 µl reaction in rCutSmart™ Buffer containing 1 µg of supercoiled PhiX174 DNA and a minimum of 10 µl of Monarch® Buffer BZ incubated for 4 hours at 37°C results in <10% conversion to the nicked form as determined by agarose gel electrophoresis.	<b>Pass</b>
<b>Non-Specific DNase Activity (16 Hour)</b> A 50 µl reaction in rCutSmart™ Buffer containing 1 µg of PhiX174-HaeIII DNA and a minimum of 10 µl of Monarch® Buffer BZ incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	<b>Pass</b>

This product has been tested and shown to be in compliance with all specifications.

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06 Mar 2025



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14 Apr 2025