

New England Biolabs Certificate of Analysis

Product Name: Monarch® Buffer B3
Catalog Number: T1113L
Packaging Lot Number: 10276362
Expiration Date: 02/2028
Storage Temperature: 25°C
Specification Version: PS-T1113L v1.0

Monarch® Buffer B3 Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T1113-2	Monarch® Buffer B3	10276291	Pass

Assay Name/Specification	Lot # 10276362
Endonuclease Activity (Nicking) A 50 µl reaction in rCutSmart™ Buffer containing 1 µg of supercoiled PhiX174 DNA and a minimum of 10 µl of Monarch® Buffer B3 incubated for 4 hours at 37°C results in <10% conversion to the nicked form as determined by agarose gel electrophoresis.	Pass
Non-Specific DNase Activity (16 Hour) A 50 µl reaction in rCutSmart™ Buffer containing 1 µg of PhiX174-HaeIII DNA and a minimum of 10 µl of Monarch® Buffer B3 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.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



Judith Pacheco
Production Scientist
04 Mar 2025



Julie Gaumont
Packaging Quality Control Inspector
14 Apr 2025