

## New England Biolabs Certificate of Analysis

Product Name: pMAL™-c6T Vector  
 Catalog Number: N0378S  
 Packaging Lot Number: 10088981  
 Expiration Date: 11/2023  
 Storage Temperature: -20°C  
 Storage Conditions: 10 mM Tris-HCl, 1 mM EDTA (pH 7.5 @ 25°C)  
 Specification Version: PS-N0378S v1.0

pMAL™-c6T Vector Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0378SVIAL	pMAL-c6T Vector	10088980	Pass

Assay Name/Specification	Lot # 10088981
<b>Restriction Digest (Linearization)</b> A 50 µl reaction in NEBuffer EcoRI containing 5 µg of pMAL™-c6T Vector and 20 units of EcoRI incubated for 1 hour at 37°C produces > 95% linearization resulting in a single band of approximately 5677 bp as determined by agarose gel electrophoresis.	Pass
<b>Non-Specific DNase Activity (DNA, 16 hour)</b> A 50 µl reaction in 1X NEBuffer 2 containing 5 µg of pMAL™-c6T Vector incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass
<b>DNA Concentration (A260)</b> The concentration of pMAL™-c6T Vector is between 200 and 220 µg/ml as determined by UV absorption at 260 nm.	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.

*Alicia Bielik*

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Alicia Bielik  
Production Scientist  
10 Nov 2020

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
10 Nov 2020