

## New England Biolabs Certificate of Analysis

Product Name: pMAL™-c6T Vector  
 Catalog Number: N0378S  
 Packaging Lot Number: 10070284  
 Expiration Date: 03/2023  
 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	10070587	Pass

Assay Name/Specification	Lot # 10070284
<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
<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>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

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



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Alicia Bielik  
Production Scientist  
07 Apr 2020



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Mary Conlon  
Packaging Quality Control Inspector  
07 Apr 2020