

## New England Biolabs Certificate of Analysis

Product Name: *pMAL™-c5X Vector*  
 Catalog Number: *N8108S*  
 Concentration: *200 µg/ml*  
 Lot Number: *10049205*  
 Expiration Date: *12/2021*  
 Storage Temperature: *-20°C*  
 Storage Conditions: *10 mM Tris-HCl, 1 mM EDTA (pH 8.0 @ 25°C)*  
 Specification Version: *PS-N8108S v1.0*

pMAL™-c5X Vector Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N8108SVIAL	pMAL™-c5X Vector	10030316	Pass

Assay Name/Specification	Lot # 10049205
<b>Restriction Digest (Linearization)</b> A 50 µl reaction in NEBuffer EcoRI containing 5 µg of pMAL™-c5X 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>DNA Concentration (A260)</b> The concentration of pMAL™-c5X 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™-c5X 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

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



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Brad Landgraf  
Production Scientist  
04 Jan 2019



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Michael Tonello  
Packaging Quality Control Inspector  
01 Jul 2019