

## New England Biolabs Certificate of Analysis

**Product Name:** pTYB21 Vector  
**Catalog Number:** N6709S  
**Concentration:** 200 µg/ml  
**Lot Number:** 10047010  
**Expiration Date:** 03/2022  
**Storage Temperature:** -20°C  
**Storage Conditions:** 10 mM Tris-HCl, 1 mM EDTA, (pH 8.0 @ 25°C)  
**Specification Version:** PS-N6709S v1.0

pTYB21 Vector Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N6709SVIAL	pTYB21 Vector	10041793	Pass

Assay Name/Specification	Lot # 10047010
<b>A260/A280 Assay</b> The ratio of UV absorption of pTYB21 Vector at 260 and 280 nm is between 1.8 and 2.0.	<b>Pass</b>
<b>DNA Concentration (A260)</b> The concentration of pTYB21 Vector is between 200 and 220 µg/ml as determined by UV absorption at 260 nm.	<b>Pass</b>
<b>Restriction Digest (Linearization)</b> A 50 µl reaction in CutSmart® Buffer containing 2 µg of pTYB21 Vector and 10 units of SapI incubated for 1 hour at 37°C produces > 95% linearization resulting in a single band of approximately 7514 bp 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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Brad Landgraf  
Production Scientist  
02 Apr 2019



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Michael Tonello  
Packaging Quality Control Inspector  
05 Jun 2019