

## New England Biolabs Certificate of Analysis

Product Name: *beta-Nicotinamide adenine dinucleotide (NAD<sup>+</sup>)*  
 Catalog Number: *B9007S*  
 Concentration: *50 mM*  
 Lot Number: *10019697*  
 Expiration Date: *03/2020*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-B9007S v1.0*  
 Composition (1X): *NAD<sup>+</sup> is supplied as an aqueous 50 mM solution*

beta-Nicotinamide adenine dinucleotide (NAD <sup>+</sup> ) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
B9007SVIAL	β-Nicotinamide adenine dinucleotide (NAD <sup>+</sup> )	0171803	Pass

Assay Name/Specification	Lot # 10019697
<b>PCR Amplification (1 kb, PreCR<sup>®</sup>)</b> A 48 µl reaction in ThermoPol <sup>®</sup> Reaction Buffer containing 1.5 ng of UV damaged Lambda DNA, 100 µM dNTPs, 500 µM NAD <sup>+</sup> and 1 µl of the PreCR <sup>®</sup> Repair Mix was incubated for 15 minutes at 37°C. Addition of 100 µM dNTPs, 0.4 µM L1 primer mix and 2.5 units of Taq DNA Polymerase followed by 25 cycles of PCR resulted in the expected 1 kb specific product.	Pass

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

*Lauren Higgins*

Lauren Higgins  
Production Scientist  
16 Aug 2018

*Josh Hersey*

Josh Hersey  
Packaging Quality Control Inspector  
16 Aug 2018