

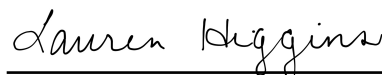
## New England Biolabs Certificate of Analysis

*Product Name:*  $\beta$ -Nicotinamide adenine dinucleotide (NAD<sup>+</sup>)  
*Catalog #:* B9007S  
*Concentration:* 50 mM  
*Lot #:* 0161708  
*Assay Date:* 08/2017  
*Expiration Date:* 8/2019  
*Storage Temp:* -20°C  
*Composition (1X):* NAD<sup>+</sup> is supplied as an aqueous 50 mM solution  
*Specification Version:* PS-B9007S v1.0  
*Effective Date:* 03 Apr 2018

Assay Name/Specification (minimum release criteria)	Lot #0161708
<b>PCR Amplification (1 kb, PreCR®)</b> - A 48 $\mu$ l reaction in ThermoPol® Reaction Buffer containing 1.5 ng of UV damaged Lambda DNA, 100 $\mu$ M dNTPs, 500 $\mu$ M NAD <sup>+</sup> and 1 $\mu$ l of the PreCR® Repair Mix was incubated for 15 minutes at 37°C. Addition of 100 $\mu$ M dNTPs, 0.4 $\mu$ M L1 primer mix and 2.5 units of <i>Taq</i> DNA Polymerase followed by 25 cycles of PCR resulted in the expected 1 kb specific product.	<b>Pass</b>



Authorized by  
Derek Robinson  
03 Apr 2018



Inspected by  
Lauren Higgins  
16 Aug 2017

