

## New England Biolabs Certificate of Analysis

**Product Name:** *beta-Nicotinamide adenine dinucleotide (NAD<sup>+</sup>)*  
**Catalog Number:** *B9007S*  
**Concentration:** *50 mM*  
**Lot Number:** *10038004*  
**Expiration Date:** *10/2020*  
**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
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Assay Name/Specification	Lot # 10038004
<b>PCR Amplification (1 kb, PreCR®)</b> A 48 µl reaction in ThermoPol® 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® 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.	<b>Pass</b>

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



Lauren Sears Higgins  
Production Scientist  
24 Oct 2018



Michael Tonello  
Packaging Quality Control Inspector  
21 Feb 2019