

## New England Biolabs Certificate of Analysis

*Product Name:* Phusion® HF Buffer Pack  
*Catalog Number:* B0518S  
*Concentration:* 5 X Concentrate  
*Lot Number:* 10047946  
*Expiration Date:* 12/2021  
*Storage Temperature:* -20°C  
*Specification Version:* PS-B0518S v1.0  
*Composition (1X):* Proprietary

Phusion® HF Buffer Pack Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
B0518SVIAL	Phusion® HF Buffer Pack	10046131	Pass
B0515AVIAL	DMSO	10041254	Pass
B0510AVIAL	MgCl <sub>2</sub> Solution (50 mM)	10009811	Pass

Assay Name/Specification	Lot # 10047946
<p><b>PCR Amplification (20 kb Lambda DNA, Buffer)</b>            A 50 µl reaction in Phusion® HF Reaction Buffer in the presence of 200 µM dNTPs and 1 µM primers containing 10 ng Lambda DNA with 1 unit of Phusion® High-Fidelity DNA Polymerase for 22 cycles of PCR amplification results in the expected 20 kb product.</p>	Pass
<p><b>PCR Amplification (7.5 kb Human Genomic DNA, Buffer)</b>            A 50 µl reaction in Phusion® HF Reaction Buffer in the presence of 200 µM dNTPs and 1 µM primers containing 50 ng Human Genomic DNA with 1 unit of Phusion® High-Fidelity DNA Polymerase for 30 cycles of PCR amplification results in the expected 7.5 kb product.</p>	Pass

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



Tony Spear-Alfonso  
Production Scientist  
26 Jun 2018



Michael Tonello  
Packaging Quality Control Inspector  
26 Jun 2019