

## New England Biolabs Certificate of Analysis

*Product Name:* Phusion<sup>®</sup> HF Buffer Pack  
*Catalog #:* B0518S  
*Concentration:* 5X Concentrate  
*Lot #:* 0071804  
*Assay Date:* 04/2018  
*Expiration Date:* 4/2021  
*Storage Temp:* -20°C  
*Composition (1X):* Proprietary  
*Specification Version:* PS-B0518S v1.0  
*Effective Date:* 02 Apr 2018

| Assay Name/Specification (minimum release criteria)  | Lot #0071804 |
|--|--------------|
| <p><b>PCR Amplification (20 kb Lambda DNA, Buffer)</b> - A 50 µl reaction in Phusion<sup>®</sup> HF Reaction Buffer in the presence of 200 µM dNTPs and 1 µM primers containing 10 ng Lambda DNA with 1 unit of Phusion<sup>®</sup> High-Fidelity DNA Polymerase for 22 cycles of PCR amplification results in the expected 20 kb product.</p>                 | <b>Pass</b>  |
| <p><b>PCR Amplification (7.5 kb Human Genomic DNA, Buffer)</b> - A 50 µl reaction in Phusion<sup>®</sup> 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<sup>®</sup> High-Fidelity DNA Polymerase for 30 cycles of PCR amplification results in the expected 7.5 kb product.</p> | <b>Pass</b>  |



Authorized by  
Lynne Apone  
02 Apr 2018



Inspected by  
Tony Spear-Alfonso  
19 Apr 2018

