

## New England Biolabs Certificate of Analysis

*Product Name:* Phusion<sup>®</sup> High-Fidelity PCR Master Mix with HF Buffer  
*Catalog #:* M0531S/L  
*Concentration:* 2X Concentrate  
*Lot #:* 0311709  
*Assay Date:* 09/2017  
*Expiration Date:* 3/2019  
*Storage Temp:* -20°C  
*Composition (1X):* 1 X Phusion<sup>®</sup> HF Buffer, 0.2 mM dATP, 0.2 mM dCTP, 0.2 mM dGTP, 0.2 mM dTTP, 20 units/ml Phusion<sup>®</sup> High-Fidelity DNA Polymerase  
*Specification Version:* PS-M0531S/L v2.0  
*Effective Date:* 17 Aug 2017

Assay Name/Specification (minimum release criteria)	Lot #0311709
<b>PCR Amplification (20 kb Lambda DNA, Master Mix)</b> - A 50 µl reaction in 1X Phusion <sup>®</sup> High-Fidelity PCR Master Mix with HF Buffer and 1.0 µM primers containing 10 ng Lambda DNA for 22 cycles of PCR amplification results in the expected 20 kb product.	<b>Pass</b>
<b>PCR Amplification (7.5 kb Human Genomic DNA, Master Mix)</b> - A 50 µl reaction in 1X Phusion <sup>®</sup> High-Fidelity PCR Master Mix with HF Buffer and 1.0 µM primers containing 50 ng Human Genomic DNA for 30 cycles of PCR amplification results in the expected 7.5 kb product.	<b>Pass</b>

\* The BSA in this product has been granted an EDQM "Certificate of Suitability" from the European Directorate for the Quality of Medicines (# R1-CEP-2003-204-Rev00) and has been granted a USDA Certificate for Export of Bovine Blood Plasma/Serum for Manufacture into Pharmaceutical Products.



Authorized by  
Lynne Apone  
17 Aug 2017



Inspected by  
Tony Spear-Alfonso  
21 Sep 2017

