

## New England Biolabs Certificate of Analysis

**Product Name:** Phusion® High-Fidelity PCR Master Mix with HF Buffer  
**Catalog Number:** M0531S  
**Concentration:** 2 X Concentrate  
**Packaging Lot Number:** 10151641  
**Expiration Date:** 10/2023  
**Storage Temperature:** -20°C  
**Specification Version:** PS-M0531S/L v2.0  
**Composition (1X):** 1 X Phusion® HF Buffer, 0.2 mM dATP, 0.2 mM dCTP, 0.2 mM dGTP, 0.2 mM dTTP, 20 units/ml Phusion® High-Fidelity DNA Polymerase

| Phusion® High-Fidelity PCR Master Mix with HF Buffer Component List |  |            |                      |
|---|--|------------|----------------------|
| NEB Part Number   | Component Description                                | Lot Number | Individual QC Result |
| M0531SVIAL  | Phusion® High-Fidelity PCR Master Mix with HF Buffer | 10147747   | Pass                 |
| B0515AVIAL  | DMSO   | 10129312   | Pass                 |

| Assay Name/Specification  | Lot # 10151641 |
|---|----------------|
| <b>PCR Amplification (7.5 kb Human Genomic DNA, Master Mix)</b><br>A 50 µl reaction in 1X Phusion® 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. | Pass           |
| <b>PCR Amplification (20 kb Lambda DNA, Master Mix)</b><br>A 50 µl reaction in 1X Phusion® 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.                 | Pass           |

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.

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11 May 2022

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11 May 2022