

## New England Biolabs Certificate of Analysis

**Product Name:** Phusion® High-Fidelity PCR Master Mix with GC Buffer  
**Catalog Number:** M0532S  
**Concentration:** 2 X Concentrate  
**Lot Number:** 10050312  
**Expiration Date:** 01/2021  
**Storage Temperature:** -20°C  
**Specification Version:** PS-M0532S/L v2.0  
**Composition (1X):** 1 X Phusion® GC 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 GC Buffer Component List |  |            |                      |
|---|--|------------|----------------------|
| NEB Part Number   | Component Description                                | Lot Number | Individual QC Result |
| M0532SVIAL  | Phusion® High-Fidelity PCR Master Mix with GC Buffer | 10047036   | Pass                 |
| B0515AVIAL  | DMSO   | 10019997   | Pass                 |

| Assay Name/Specification  | Lot # 10050312 |
|---|----------------|
| <b>PCR Amplification (20 kb Lambda DNA, Master Mix)</b><br>A 50 µl reaction in 1X Phusion® High-Fidelity PCR Master Mix with GC 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           |
| <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 GC 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           |

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



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Doreen Duquette  
Production Scientist  
16 Jul 2019



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Michael Tonello  
Packaging Quality Control Inspector  
26 Jul 2019