NEW ENGLAND BioLabs Inc.
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New England Biolabs
Certificate of Analysis

Product Name: *LongAmp® Taq PCR Kit*
Catalog Number: *E5200S*
Packaging Lot Number: *10080294*
Expiration Date: *03/2022*
Storage Temperature: *-20°C*
Specification Version: *PS-E5200S v1.0*

LongAmp® Taq PCR Kit Component List			
NEB Part Number	**Component Description**	**Lot Number**	**Individual QC Result**
N0447SVIAL	Deoxynucleotide (dNTP) Solution Mix	10069436	**Pass**
M0323SVIAL	LongAmp® Taq DNA Polymerase	10071627	**Pass**
B1502AVIAL	Nuclease-free Water	10072020	**Pass**
B1003SVIAL	Magnesium Sulfate ($MgSO_4$) Solution	10076260	**Pass**
B0323SVIAL	LongAmp® Taq Reaction Buffer	10068729	**Pass**

Assay Name/Specification	**Lot # 10080294**
PCR Amplification (30 kb Human Genomic DNA) A 25 µl reaction in LongAmp® Taq Reaction Buffer in the presence of 300 µM dNTPs and 0.4 µM primers containing 500 ng Human Genomic DNA with 2.5 units of LongAmp® Taq DNA Polymerase for 28 cycles of PCR amplification results in the expected 30 kb product.	**Pass**
PCR Amplification (30 kb Lambda DNA) A 25 µl reaction in LongAmp® Taq Reaction Buffer in the presence of 300 µM dNTPs and 0.4 µM primers containing 1 ng Lambda DNA with 2.5 units of LongAmp® Taq DNA Polymerase for 28 cycles of PCR amplification results in the expected 30 kb product.	**Pass**
*** Individual Product Component Note** Standard Quality Control Tests are performed for each component included in LongAmp® Taq PCR Kit and meet the designated specifications.	**Pass**

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

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22 Sep 2020

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