

## New England Biolabs Certificate of Analysis

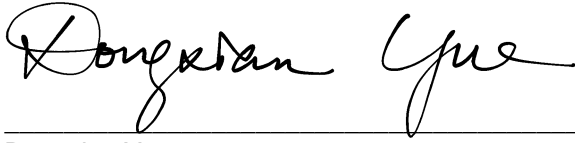
**Product Name:** *HiScribe® T7 High Yield RNA Synthesis Kit*  
**Catalog Number:** *E2040S*  
**Packaging Lot Number:** *10243450*  
**Expiration Date:** *02/2026*  
**Storage Temperature:** *-20°C*  
**Specification Version:** *PS-E2040S v3.0*

HiScribe® T7 High Yield RNA Synthesis Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0454AVIAL	CTP Solution	10227059	Pass
N0453AVIAL	UTP Solution	10227060	Pass
N0452AVIAL	GTP Solution	10227058	Pass
N0451AVIAL	ATP Solution	10227057	Pass
N0426AVIAL	Fluc Control Template	10235707	Pass
M0255AVIAL	T7 RNA Polymerase Mix	10228792	Pass
B2041AVIAL	10X T7 Reaction Buffer	10207485	Pass
B1222AVIAL	0.1M DTT	10242838	Pass

Assay Name/Specification	Lot # 10243450
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in HiScribe® T7 High Yield RNA Synthesis Kit and meet the designated specifications.</p>	<b>Pass</b>
<p><b>Functional Testing (RNA Synthesis, Yield)</b> A 20 µl reaction in 1X T7 Reaction Buffer in the presence of 40 mM NTPs containing 1 µg FLuc Control Template with 2 µl of the T7 RNA Polymerase Mix incubated for 2 hours at 37°C results in a minimum of 150 µg of a 1.8 kb RNA as determined by OD 260 and agarose gel electrophoresis.</p>	<b>Pass</b>

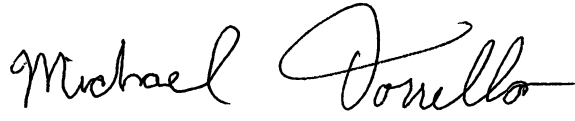
This product has been tested and shown to be in compliance with all specifications.

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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Dongxian Yue  
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14 Feb 2024



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Michael Tonello  
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06 Jun 2024