

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext<sup>®</sup> Library Quant DNA Standards  
**Catalog Number:** E7642S  
**Packaging Lot Number:** 10187063  
**Expiration Date:** 05/2025  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E7642S v2.0

NEBNext <sup>®</sup> Library Quant DNA Standards Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E6891AAVIAL	NEBNext <sup>®</sup> Library Quant DNA Standard 6	10187070	Pass
E6890AAVIAL	NEBNext <sup>®</sup> Library Quant DNA Standard 5	10187069	Pass
E6889AAVIAL	NEBNext <sup>®</sup> Library Quant DNA Standard 4	10187068	Pass
E6888AAVIAL	NEBNext <sup>®</sup> Library Quant DNA Standard 3	10187067	Pass
E6887AAVIAL	NEBNext <sup>®</sup> Library Quant DNA Standard 2	10187066	Pass
E6886AAVIAL	NEBNext <sup>®</sup> Library Quant DNA Standard 1	10187065	Pass

Assay Name/Specification	Lot # 10187063
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Library Quant DNA Standards and meet the designated specifications.</p>	<b>Pass</b>
<p><b>Functional Testing (qPCR, Standard Curve)</b> NEBNext<sup>®</sup> Library Quant DNA Standards are functionally tested with qPCR using the following criteria for PCR efficiency, fluorescence values, and no-template control (NTC) amplification. Seven, 20 µl reactions are run in triplicate in 1X NEBNext<sup>®</sup> Library Quant Master Mix and 1X NEBNext<sup>®</sup> Library Quant Primer Mix containing NEBNext<sup>®</sup> Library Quant DNA Standards 1-6 and a no-template control for 35 cycles of PCR amplification, resulting in a standard curve with a calculated PCR efficiency of 90-100% and a no-template control threshold cycle of &gt;30 Cq.</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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06 Jun 2023

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21 Dec 2023