



## Certificate of Analysis

COA No: CA\_XBH-0001

Version: 04

# HyperLadder™ 1Kb

For Research Use Only

Storage Conditions: -20°C

Lot number: H1-618104B

Expiry date: May 2020

## Quality Control Parameters

### Certified Values:

Number of Bases	Method of Testing	Specification	Method of Testing	Results
200 bp	Sequencing	20 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
400 bp	Sequencing	40 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
600 bp	Sequencing	60 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
800 bp	Sequencing	80 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
1000 bp	Sequencing	100 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
1500 bp	Sequencing	15 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
1517 bp	Sequencing	15 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
2000bp	Sequencing	20 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
2500 bp	Sequencing	25 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
3000 bp	Sequencing	30 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
4000 bp	Sequencing	40 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed

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	<b>Certificate of Analysis</b>	COA No: CA_XBH-0001
		Version: 04

5000 bp	Sequencing	50 ng/band $\pm$ 10%	UV absorption spectrum Visual comparison test vs history	Passed
6000 bp	Sequencing	60 ng/band $\pm$ 10%	UV absorption spectrum Visual comparison test vs history	Passed
8000 bp	Sequencing	80 ng/band $\pm$ 10%	UV absorption spectrum Visual comparison test vs history	Passed
10037 bp	Sequencing	100 ng/band $\pm$ 10%	UV absorption spectrum Visual comparison test vs history	Passed

Note: The values given relate to individual bands. Following the combination of all bands in one solution, the Ladder may be used for approximating the mass of DNA.

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 <small>A Molecular Life Sciences Company</small>	<b>Certificate of Analysis</b>	<b>COA No: CA XBB-0005</b>
		<b>Version: 03</b>

<h2>DNA Loading Buffer Blue</h2> <p>For Research Use Only</p>	<b>Storage Conditions:</b> -20°C
	<b>Lot number:</b> HLBB-618104C
	<b>Expiry date:</b> May 2020

<b>Quality Control Parameters</b>
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Analysis	Specification	Result
Functional	Tested on a 1.5% gel with 4 different sized DNA. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained).	Passed
DNase contamination	Incubation of a 1Kb double stranded DNA fragment. Incubation for 4 hours at 37°C with dilution series of DNase I. Analysed by agarose gel electrophoresis. Test sample must show less degradation than the limit of detection $2.5 \times 10^{-3}$ U DNase.	Passed

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