



Certificate of Analysis

COA No: CA_XBH-0001

Version: 05

HyperLadder™ 1Kb

For Research Use Only

Kit Lot No: BIO-33025_MW422-BO64470

Storage Conditions: -20°C

Component Lot No: H1-818111A

Expiry date: December 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
5000 bp	Sequencing	50 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed

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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.

Authorised by Christopher Weatherall



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Certificate of Analysis

COA No: CA XBB-0005

Version: 04

DNA Loading Buffer Blue

For Research Use Only

Kit Lot No:	BIO-33025_MW422-BO64470
Storage Conditions:	-20°C
Component Lot No:	HLBB-2035.004
Expiry date:	December 2020

Quality Control Parameters

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 2.5×10^{-3} U DNase.	Passed

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