BIOLINE	**Certificate of Analysis**	**COA No: CA_XBH-0004**
		Version: 05

HyperLadder™ 100bp For Research Use Only	Kit Lot No:	BIO-33056_MW430-B065860
	Storage Conditions:	-20˚C
	Component Lot No:	H4-719101A
	Expiry date:	February 2021

Quality Control Parameters

Certified Values:

Number of Bases	Method of Testing	Specification	Method of Testing	Results
100 bp	Sequencing	40 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
200 bp	Sequencing	20 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
300 bp	Sequencing	30 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
311 bp	Sequencing	30 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
500 bp	Sequencing	50 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
700 bp	Sequencing	70 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
900 bp	Sequencing	90 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
1013 bp	Sequencing	100 ng/band ± 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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BIOLINE A Meridian Life Science Company	**Certificate of Analysis**	**COA No: CA_XBH-0004** **Version: 05**

Authorised by Christopher Weatherall



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BIOLINE	**Certificate of Analysis**	**COA No: CA XBB-0005**
		Version: 04

DNA Loading Buffer Blue For Research Use Only	Kit Lot No:	BIO-33056_MW430-B065860
	Storage Conditions:	-20°C
	Component Lot No:	HLBB-2035.005
	Expiry date:	February 2021

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 x 10^{-3} U DNase.	Passed

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