

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

<h2>DNA Loading Buffer Blue</h2> <small>For Research Use Only</small>	Storage Conditions:	-20°C
	Lot number:	HLBB-618105A
	Expiry date:	June 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

Authorised by Ivan Mijatovic



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Certificate of Analysis

COA No: CA_XBH-0002

Version: 04

HyperLadder™ 50bp

For Research Use Only

Storage Conditions: -20°C

Lot number: H2-818105A

Expiry date: June 2020

Quality Control Parameters

Certified Values:

Number of Bases	Method of Testing	Specification	Method of Testing	Results
50 bp	Sequencing	40 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
100 bp	Sequencing	40 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
200 bp	Sequencing	40 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
300 bp	Sequencing	100 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
400 bp	Sequencing	30 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
500 bp	Sequencing	30 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
600 bp	Sequencing	30 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
700 bp	Sequencing	30 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
800 bp	Sequencing	30 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
1200 bp	Sequencing	20 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed

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Certificate of Analysis

COA No: CA_XBH-0002

Version: 04

1400 bp	Sequencing	20 ng/band \pm 10%	UV absorption spectrum Visual comparison test vs history	Passed
1600 bp	Sequencing	20 ng/band \pm 10%	UV absorption spectrum Visual comparison test vs history	Passed
1800 bp	Sequencing	20 ng/band \pm 10%	UV absorption spectrum Visual comparison test vs history	Passed
2000 bp	Sequencing	50 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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