

CALIBRATION CERTIFICATE

Dimension xband plus, bearing Instrument serial number **DE270341** installed at M/s Sumukh Prayogalaya Molecular Diagnostics have been duly calibrated on 16/11/2022.

Final calibration results are as follows:

PHOTOMETER DARK CALIBRATION:

Reference : 9275.45 Hz
Sample (outer on) : 9243.28 Hz
Sample (outer off) : 9246.20 Hz

LAMP CALIBRATION:

Low Calib level :49.0%
High Calib level :62.0%

PHOTOMETER

<u>Filters</u>	<u>mAU offset values</u>	<u>System Check Wavelength</u>	<u>Acceptable Range</u>
293nm ----	321	1.05	+2.5
340nm ----	312	-0.18	+1.5
383nm ----	307	-0.32	+1.5
405nm ----	305	-0.32	+1.5
452nm ----	297	-0.27	+1.5
510nm ----	289	-0.53	+1.5
540nm ----	285	-0.52	+1.5
577nm ----	281	-0.31	+1.5
600nm ----	278	-0.23	+1.5
700nm ----	269	-0.34	+1.5

PHOTOMETER LAMP VOLTAGE:

Set at 24.00V calibrated by DVM

PHOTOMETER ALINGMENT: set at -7 Range: -3 to -9

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ABS SYSTEM CHECK RESULTS: LOT No:BB2075

RESULTS FROM INSTRUMENT

	<u>OBSERVED</u>	<u>ACCEPTABLE RANGE</u>
Reagent 1 syringes:	Mean: 398.49 SD : 0.99	Mean: 397±12 SD : 3.80
Reagent 2 syringes:	Mean: 399.51 SD : 1.17	Mean: 397±12 SD : 3.80
Sampler :	Mean: 39.94 SD : 0.79	Mean: 39.7±2 SD : 0.8

TEMPERATURE CALIBRATION:

Reagent : 5.0°C

Range: 2°C to 8°C

Cuvette : 37.0°C

Target Temperature: 37.0°C

The instrument is working satisfactorily, subsequent to Calibrations of the above parameters, and the Next Calibration is due 15/11/2023

Note: Absorbance kit is an USFDA approved kit used in performing the system check in all Dimension systems. The carton value is a predetermined value for which the limits are defined in system check screen and operator guide of Dimension.

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