

### Calibration Certificate

<b>Model Name: PRIESTEST TOUCH</b> <b>Sr. No: ATCD1100621RBK</b> <b>The Medical Officer,</b> <b>Primary Health Center,</b> <b>Kottapatti,Harur Block.</b>	<b>Certificate No.: Analyzer- ATCD -032 / 2023-2024</b>
	<b>Date of Calibration: 27-09-2023</b>
	<b>Calibration Due on: 26-09-2024</b>

#### STANDARD USED FOR CALIBRATION

Parameters	Inst. Name & Sr. No	Cert. No.	Calibrated by	Validity
Temperature Calibration	Digital Thermometer	UCSCAL/21100313	Universal Instrument	31/10/2024
Temperature Calibration	Digital Thermometer	UCSCAL/21100314	Universal Instrument	31/10/2024
Film readings Calibration	Spectrophotometer, Make: Shimadzu, Model No. UV-1800, Sr. No. A-1145 4702871	REG/28/2207	QC dept. of Reagent Robonik India Pvt.Ltd	26/07/2024

#### OBSERVATIONS (Temperature Calibration)

Temperature Details	Incubator Temperature	Cuvette Temperature
Thermometer Sr. No.	025	012
Obtained Value	37.5°C	37.4°C
Range	37°C ( $\pm 1^\circ\text{C}$ )	37°C ( $\pm 0.5^\circ\text{C}$ )

#### OPTICAL FILM READING CALIBRATION

Wavelength	Film type	Range	Absorbance Obtained
340 nm	ISP	0.549 - 0.619	0.590
	1HP + ISP	0.842 - 0.975	0.914
	1TP	1.627 - 1.853	1.737
	2DP + 1HP	2.643 - 3.427	2.714
405 nm	ISP	0.307 - 0.348	0.318
	1TP	0.929 - 1.062	1.007
	2DP + 1HP	1.432 - 1.642	1.572
	3TP	2.809 - 3.318	3.034
510 nm	ISP	0.299 - 0.337	0.300
	1TP	0.913 - 1.054	0.997
	2DP + 1HP	1.386 - 1.576	1.505
	3TP	2.784 - 3.232	2.997
545 nm	ISP	0.264 - 0.313	0.286
	1TP	0.844 - 0.956	0.918
	2DP + 1HP	1.287 - 1.446	1.393
	3TP	2.512 - 2.849	2.790
578 nm	ISP	0.265 - 0.302	0.292
	1TP	0.791 - 0.904	0.874
	2DP + 1HP	1.200 - 1.391	1.337
	3TP	2.387 - 2.702	2.660
630 nm	ISP	0.300 - 0.352	0.331
	1TP	0.977 - 1.115	1.065
	2DP + 1HP	1.443 - 1.648	1.584
	3TP	2.806 - 3.210	3.165

Biochemistry Analyzer bearing serial no. **ATCD1100621RBK** has been calibrated for above parameter and found to be within its acceptance criteria.



calibrated by:

*M. P. S.*

Approved by:

*[Signature]*