

### Calibration Certificate

Model Name: PRIETEST TOUCH Sr. No: ATCD2460818RBK The Medical Officer, Govt primary health center, katchaikatti, Madurai dt.	Certificate No.: Analyzer- ATCD -010/ 2023-2024
	Date of Calibration: 28-09-2023
	Calibration Due on: 29-09-2024

#### STANDARD USED FOR CALIBRATION

Parameters	Inst. Name & Sr. No.	Cert. No.	Calibrated by	Validity
Temperature Calibration	Digital Thermometer	UCSCAL/21100315	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	20/07/2024

#### 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 ( $\pm 1^\circ$ C)	37°C ( $\pm 0.5^\circ$ C)

#### OPTICAL FILM READING CALIBRATION

Wavelength	Film type	Range	Absorbance Obtained
340 nm	1SP	0.549 - 0.619	0.590
	1HP + 1SP	0.842 - 0.975	0.914
	1TP	1.627 - 1.853	1.737
	2DP + 1HP	2.643 - 3.427	2.714
405 nm	1SP	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	1SP	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	1SP	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	1SP	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	1SP	0.300 - 0.352	0.331
	1TP	0.977 - 1.115	1.065
	2DP + 1HP	1.443 - 1.648	1.584
	3TP	2.806 - 3.230	3.165

Biochemistry Analyzer bearing serial no. ATCD2460818RBK has been calibrated for above parameter and found to be within its acceptance criteria.

