



Calibration Certificate

Certificate No. : Analyser-AT-066 / 2023-2024

Model Name: PRIEST TOUCH
Sr. No: ATCD2371220RBK
 Primary Health Center,
 Ladaipuram,
 Perambalur.

Date of Calibration : 25.07.2023
Calibration Due on : 24.07.2024

STANDARD USED FOR CALIBRATION			
Parameters	Inst. Name & Sr. No	Cert. No	Validty
Temperature Calibration	Digital Thermometer	UCS/CAL/21100315	31/10/2025
Temperature Calibration	Digital Thermometer	UCS/CAL/21100314	31/10/2025
Film readings Calibration	Spectrophotometer, Make: Shimadzu, Model No.: UV-1800, Sr. No. A-1145 4702871	REG/282207	20/07/2025

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 (± 1°C)	37°C (± 0.5°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 Analyser bearing serial no. ATCD2371220RBK has been calibrated for above parameter and found to be within its acceptance criteria



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CALIBRATED BY: A.G.VEERAADHITHYAN

APPROVED BY: M.SIVACHANDRAN