

Calibration Certificate

Model Name: PRIETEST TOUCH Sr. No: AT1771114RBK The Medical Officer, Govt primary health center, Kalimangalam, Madurai dt.	Certificate No.: Analyzer- AT -005/ 2023-2024 Date of Calibration: 28-09-2023 Calibration Due on: 29-09-2024
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STANDARD USED FOR CALIBRATION

Parameters	Inst. Name & Sr. No	Cert. No	Calibrated by	Validity
Temperature Calibration	Digital Thermometer	UCS CAI 21100315	Universal Instrument	31.10.2024
Temperature Calibration	Digital Thermometer	UCS CAI 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 (± 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 Analyzer bearing serial no. AT1771114RBK has been calibrated for above parameter and found to be within its acceptance criteria.

calibrated by:



Approved by:

