

Calibration Certificate

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| Model Name: PRIETEST TOUCH Sr. No: ATCD1081220RBK The Medical Officer, Primary health center, Anaibogi, Thiruvannamalai dt. | Certificate No.: Analyzer- ATCD -004/ 2023-2024 Date of Calibration: 04-10-2023 Calibration Due on: 03-10-2024 |
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STANDARD USED FOR CALIBRATION

| Parameters | Inst. Name & Sr. No. | Cert. No. | Calibrated by | Validity |
|---------------------------|---|------------------|---|------------|
| Temperature Calibration | Digital Thermometer | UCS/CAL/21100315 | Universal Instrument | 31/10/2024 |
| Temperature Calibration | Digital Thermometer | UCS/CAL/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. **ATCD1081220RBK** has been calibrated for above parameter and found to be within its acceptance criteria.



calibrated by:



Approved by:

