

Calibration Certificate

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| Model Name: PRIESTEST TOUCH Sr. No: ATCD1050621RBK The Medical Officer Primary Health Center, Hogenakkal, Pennagaram Block. | Certificate No.: Analyzer- ATCD -005 / 2023-2024 Date of Calibration: 27-09-2023 Calibration Due on: 26-09-2024 |
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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 (± 1°C) | 37°C (± 0.5°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 - 3.230 | 3.165 |

Biochemistry Analyzer bearing serial no. **ATCD1050621RBK** has been calibrated for above parameter and found to be within its acceptance criteria



calibrated by:



Approved by:

