



Thrissur Office:
 Thattil Nadakalan Complex, Kuriachira P.O.,
 Thrissur - 680 006, INDIA.
 Tel.: (0487) 2250793, 6544048. Mobile No.: 9645084048.
 E-mail: tulipkerala@gmail.com

Coralyzer Series Fully Automatic Biochemistry Analyzer, Inspection/calibration Report

Test QC refer to: <<Coralyzer Series Fully Automatic Analyser>> Registered Standard Model: Coralyzer Junior, S/N: AES2KOKH12052

SRI SAMRAJ LAB'S , TIRUVARUR

Meter used for calibration / Meter Number: TU/INST/REG/PMO/004

Cal Date:- 25.06.22

Due Date:-24.06.23

| Inspection Item | Criterion of QC test | Result | Conclusion | | | |
|-----------------|---|--|--------------------------------|----------|-------|----|
| | a) Analytical method may analyse 40 pos at the same time. b) Programming item c) Automatic priority inspect of emergency sample. d) Calibration linearity/non-linearity multi point calibration. e) QC at may operate most of QC at same item. g) Storage h) Printer multiple report formats available, user can self edit report formats. i) STAT j) Sample rerun/recheck. k) Sample /reagent probe liquid check. l) Mixing function. m) Results storage, query, quality control chart, the whole process n) cuvette condetion. o) Crash gard function. | OK OK OK OK OK OK OK OK OK OK OK OK OK | PASS | | | |
| 2 | Dark Abs | Absorbance >= 3.400 A | 5.2 OK | | | |
| 3 | Linearity range of absorbance. | The maximum absorbance should be not less than 3.700A within the relative range of ± 5% | 340nm: 5.1 505nm: 4.8 | OK OK | | |
| | | Less than ± 0.040A at 1.00A | 0.012 | OK | | |
| 4 | Accuracy of absorbance | Less than ± 0.060A at 1500A | 0.027 | OK | | |
| | | Less than ± 0.020A within 0.500A | 0.048 | OK | | |
| | | Absorbance change should be less than 0.005A/min | 340nm: 0.003A 505nm: 0.002A | OK OK | | |
| 6 | Reproducibility of absorbance | cofficient of variation cv ≤ 3% | 2.73% | OK | | |
| 7 | Temperature of reaction cuvette 37 | Accuracy less than than ± 0.1° C | 37° C | OK | | |
| | | Fluctuate of temperature less than ± 0.1° C | 0.005° C | OK | | |
| 8 | Teperature of reagent storage | Under normal work condition, reagent storage should be 2-8° C | 6.0° C | OK | | |
| 9 | Carryover | Sample carryover less than 0.05% | PASS | | | |
| 10 | Accuracy of parameter | Items | Concentration | CV | | |
| | | UREA | 76.3-109.9 | ≤ 3% | 1.30% | OK |
| | | GLUC | 81.0-116.6 | ≤ 3% | 1.20% | OK |
| | | SGOT | 55-87 | ≤ 3% | 2.70% | OK |
| 11 | Apperance | a) Whole appearance of the surface should not have obvious mechanical abrasion, corrosion and surface coating spalling. b) All connections are stable and fixed well. c) Moving parts running smooth and CPU working well. | PASS | | | |
| 12 | Protect ground connect | The impedance between ground outlet from power supply net and ground protected touchable metal should not more than 0.1 Ω | PASS | | | |
| 13 | Power grid, power supply, circuit | Basic insulation: 50Hz the sine 230V alternating voltage test. should not apper brakdown or occur electric arcing. | PASS | | | |

Inspection/Calibration date: 25.06.22

Check: S Nishanth

re-check: S Nishanth



First Line

Second Line

| QC(Name-Lot) | Test | Target Value | SD Value | QC Range | Result | Test Date | State |
|--------------|--------|--------------|----------|----------------|--------|------------|-------|
| RANDOX | GLUC | 279 | 21 | 238 ~ 320 | 307 | 06-07-2022 | |
| RANDOX | CREAT | 4.80 | 0.48 | 3.84 ~ 5.76 | 4.05 | 06-07-2022 | |
| RANDOX | CHO SR | 284 | 19 | 247 ~ 321 | 314 | 06-07-2022 | |
| RANDOX | TGL SR | 252 | 20 | 212 ~ 292 | 251 | 06-07-2022 | |
| RANDOX | HDL-D | 94.65 | 7.18 | 80.30 ~ 109.00 | 87.15 | 06-07-2022 | |
| RANDOX | SGOT | 155 | 16 | 124 ~ 186 | 142 | 06-07-2022 | |
| RANDOX | SGPT | 151 | 15 | 121 ~ 181 | 130 | 06-07-2022 | |
| RANDOX | TP | 4.45 | 0.44 | 3.56 ~ 5.34 | 4.12 | 06-07-2022 | |
| RANDOX | ALB | 2.82 | 0.21 | 2.40 ~ 3.24 | 3.16 | 06-07-2022 | |
| RANDOX | CAL A3 | 12.2 | 0.6 | 11.0 ~ 13.4 | 12.2 | 06-07-2022 | |
| RANDOX | TBIL | 5.85 | 0.61 | 4.62 ~ 7.08 | 6.30 | 06-07-2022 | |
| RANDOX | ALP | 325 | 25 | 276 ~ 374 | 282 | 06-07-2022 | |