

CALIBRATION REPORT

Date :30/08/2019

1. Instrument : Bio- Chemistry Analyzer
2. Model : RX-50
3. Sr. No. : 70428
4. Date of Calibration: 30/08/2019
5. Due date of calibration: 29/07/2020

TEST PARAMETERS

Test Parameters	Actual Parameters			Ok / Not Ok
Logic Voltage 3.3V	3.3V			Ok
Lamp Voltage (11.8 to 12.2)	11.92V			Ok
SMPS Voltages : 15.31 V	15.31V			Ok
Flow Cell Temperature	25°C 1650	30 °C 1460	37 °C 1150	All Ok
Pump Calibration value(4000 to 6000)	5552			Ok

Sr. No.	Filters	Gain Voltages	Range
1	340nm	1.6521	1.4000-2.1000
2	405nm	2.2184	1.4000-3.0000
3	000nm	NA	NA
4	505nm	2.6922	1.4000-3.0000
5	546nm	2.7068	1.4000-3.0000
6	578nm	2.5057	1.4000-3.0000
7	630nm	2.4781	1.4000-3.0000
8	670nm	2.4683	1.4000-3.0000
9	Temp	0.7477	0.6000-1.0000
10	Filter Offset	50	

મુખ્ય શ્રેણી લેબોરેટરી અધિકારી
સહ વિભાગ વાર્ષિકી,
એસ.એલ. ડી. સેપ્ટલ, પેટલાદ.
ઈન્સ્ટ્રુમેન્ટ નં. 1113
તારીખ : 18-02-2020

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ISO 9001:2015 & ISO 13485:2016
Certified Company

Photometric Accuracy :-

The readings of the absorbance are taken of following standard filters at the frequency of 546nm. The results are compared with its range.

Range of the Instrument : Optical Density Linear From 0 to 3.0

Std Absorbance	Measured Absorbance	Range
0.2	0.2068	0.2000-0.2600
0.4	0.4024	0.4000-0.4500
1.0	1.0045	1.0000-1.0900
2.0	2.0076	2.0000-2.0800

Precision Control :-

The absorbance of two standard filters of 0.4 and 2.0 is taken. The 20 replicates of each is made and mentioned as CV (%).

Std Absorbance	CV (%)
0.4	0.03 %
2.0	0.008 %

Clinical Chemistry Control :-

CHEMISTRY	Measured	Mean	Range
GLU	94.23	95	70 - 120
UREA	26.8	27	21.6 - 32.4
CHOLESTROL	200	201	160.8 - 241
TRIGLYCERIDES	200.57	200	160-240
ALBUMIN	4.65	4.6	3.6-5.5
TOTAL PROTEIN	6.09	6.1	4.88-7.32
HDL	50.37	50	40-60
URIC ACID	6.47	6.5	5.2-7.8
CRTN	0.87	0.9	0.5-1.4

Control Date : 30/08/2019

QC Department

