



# MECOM SERVICES

Reg Office: VIII/502 F, St.Mary's Building, Aluva, Cochin- 683105  
 Operations office: Kuzhikkattil Buildings, Aluva, Cochin-683101  
 Ph: 8589015996/25996/35996  
 E- Mail: mecomcalibration@gmail.com Web: www.mecomservices.com



## REPORT ON

### ELECTRICAL SAFETY TESTING/ PERFORMANCE ANALYSIS/ CALIBRATION

Report No : MS/TR/21/H01	Calibration Date : 18-01-2021
Page 1 of 2	Calibration Due : 18-01-2022
<b>1.1 CUSTOMER DETAILS</b>	
Name and address of the organisation	UPHC
	MADATHUR
	THOOTHUKUDI
Reference and Date	18-01-2021
Test Performed by	MECOM Team 1

### 1.2 DESCRIPTION OF DEVICE UNDER TEST (DUT)

A.	Nomenclature	BIOCHEMISTRY ANALYZER
B.	Manufactured by	RMS
C.	Model	ANALYTIC
D.	Serial No.	NA
E.	Biomedical Product ID	.....
F.	Location	LAB

### 1.3 CONDITION OF THE ITEM WHEN RECEIVED

*No visible damages and in working order*

### 1.4 ENVIRONMENTAL CONDITION OF MEASUREMENTS

A.	Temperature	24.7°C
B.	Relative Humidity	65.3%
C.	Ambient Barometric Pressure	757mmHg

### 1.5 Applicable Specification

*IEC Specification IEC 60601-1*

### 1.6 Test Done

*Electrical Safety / Performance Testing*

### 1.7 STATUS

Manufactures Specification	Users Specification	Within Specification	Out of Specification	Calibration	Electrical Safety Test	Performance Analysis
✓	-	✓	-	-	✓	-

Team 1



An ISO 9001:2015  
company

# MECOM SERVICES

Reg Office: VIII/502 F, St.Mary's Building, Aluva, Cochin- 683105  
Operations office: Kuzhikkattil Buildings, Aluva, Cochin-683101  
Ph: 8589015996/25996/35996  
E- Mail: mecomcalibration@gmail.com Web: www.mecomservices.com



## TRACEABILITY DETAILS OF INSTRUMENTS USED FOR TESTING

Sl No	Name of the Instrument	Make	Model	Serial No	Cal Due
1.	Electrical Safety Analyzer	Fluke	ESA612	3005050	FEB 2020

## 2.0 ELECTRICAL SAFETY TEST

S.no	Parameter	Observed value	Acceptable limits as per the Std.	Remarks
1.	Protective earth resistance	0.288 $\Omega$	< 0.3 $\Omega$	Ok
2.	Earth leakage	153.32 Ma	< 210 $\mu$ A NC	Ok
3.	Patient leakage current	NA	< 100 $\mu$ A BF	Ok
4.	Equipment current	0.3 A	As per manufacture spec	Ok
5.	Mains voltage(P-E)	228.6 V	--	Ok
6.	Mains voltage(P-N)	229.2V	--	Ok
7.	Mains voltage(N-E)	1.0V	<5V	Ok
8.	Enclosure Leakage Current	50 $\mu$ A	<100 $\mu$ A(Normal)	Ok
9.	Insulation Resistance	OL	>100 M $\Omega$	Ok

## 3.0 REMARKS

3.1	This report is applicable to the sample tested only.
3.2	The instruments used for testing are under valid calibration and are traceable to National Standards.
3.3	Parameter of the DUT were verified and found to be within the specified limits.
3.4	refer NABL Doc No. 121 Clause 7.0 Accommodation and environmental Conditions sub Clause see 7.2.11 below in line with ISO/IEC 17025:2005 Clause 5.3

Verified By :

Team 1



*Handwritten signature*