

**ELECTRICAL SAFETY TESTING/ CALIBRATION**

Report No : HBMS/CAL/23-24		Calibration Date : 23.09.2023
		Calibration Valid : 22.03.2024
<b>1.1CUSTOMER DETAILS:</b>		
Name and Address of the organization		<b>M/S, PRIMARY HEALTH CENTRE, PETHANAICKENPALAYAM, SALEM.</b>
<b>1.2. DESCRIPTION OF DEVICE UNDER TEST (DUT):</b>		
EQUIPMENT NAME		MICROSCOPE
<b>i</b>	Manufactured by	LABOMED
<b>ii</b>	Model	VISION 2000
<b>iii</b>	Serial No	220135396
<b>iv</b>	Location	LABORATORY

**2.CONDITION OF THE ITEM WHEN RECEIVED**

No visible damages and in working order

**3.TEST DONE**

Electrical safety/ Performance Testing

**4. STATUS**

Manufactures Specification	User specification	Within specification	Out of specification	Calibration	Electrical Safety Test	Performance Analysis
√	-	√	-	-	√	-

5.TRACEABILITY DETAILS OF INSTRUMENTS USED FOR TESTING					
S.no	Name of the instrument	Make	Model	Serial no	Cal Due
1.	Electrical safety analyser	Fluke	Esa612	3005050	07-OCT-2023

6.ELECTRICAL SAFETY TEST				
S.NO	PARAMETER	OBSERVED VALUE	ACCEPTANCE LIMITS AS PER THE STD	REMARKS
1.	Protective earth resistance	0.129 $\Omega$	<0.3 $\Omega$	Ok
2.	Earth leakage	134.21 $\mu$ A	<210 $\mu$ A NC	Ok
3.	Patient leakage current	NA	<100 $\mu$ A BF	Ok
4.	Equipment current	0.3A	As per the manufacture spec	Ok
5.	Mains voltage (P-E)	230.5V	--	Ok
6.	Mains voltage (P-N)	231.2V	--	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

S.NO	7.Remarks
1.	This report is applicable to the sample tested only
2.	The instrument used for testing are valid calibration and are traceable to national standards
3.	Parameter of the DUT were verified and found to be within the specified limits

Verified by :