



| ELECTRICAL SAFETY TESTING/ CALIBRATION              |   |
|---|---|
| Report No : HBMS/CAL/23-24                          | Calibration Date : 28.08.2023                                       |
|   | Calibration Valid : 27.02.2024                                      |
| <b>1.1.CUSTOMER DETAILS:</b>                        |   |
| Name and Address of the organization                | <b>M/S, GOVT.PRIMARY HEALTH CENTRE,<br/>JEDERPALAYAM, NAMAKKAL.</b> |
| <b>1.2. DESCRIPTION OF DEVICE UNDER TEST (DUT):</b> |   |
| EQUIPMENT NAME                                      | MICROSCOPE  |
| i Manufactured by                                   | LABOMED   |
| ii Model  | BINACULAR MICROSCOPE  |
| iii Serial No                                       | 111244788   |

|  |
|--|
| <b>2.CONDITION OF THE ITEM WHEN RECEIVED</b> |
| No visible damages and in working order      |

|                    |  |
|--------------------|--|
| <b>3.TEST DONE</b> | 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 | 0.129Ω         | <0.3 Ω                           | Ok      |
| 2.   | Earth leakage               | 134.21μA       | <210 μA NC                       | Ok      |
| 3.   | Patient leakage current     | NA             | <100 μA 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 μA          | <100 μA (normal)                 | Ok      |
| 9.   | Insulation resistance       | OL             | >100 M Ω                         | 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 :

*[Signature]*



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