

**CALIBRATION CERTIFICATE**

ULR Number: CC275219000083790F

|   |   |
|---|---|
| <b>Name and address of the customer</b><br>The Medical Officer<br>Government Primery Health Centre<br>madukkur–thanjavur (dist) | <b>Certificate no</b> : Rmtl/01/319107852/33<br><b>Date of calibration</b> :1/10/2023<br><b>Suggested calibration due</b> : 30/09/2024<br><b>Customer po .reference.&amp; date:</b> |
|---|---|

**1.DESRIPTION OF DUC**

|  |   |
|--|---|
| <b>Name Of The Duc:</b> MICROSCOPE<br>Make : LABOMED<br>Model : BD 13<br>Sl.No : na<br>Range/Size : 230v | <b>Receiving Condition Of Duc</b> :Good<br><b>Ref. Document</b> :As Per Manufactures Specification<br><b>Environmental Condition</b> :25.3 Deg & 54.3% Rh<br><b>Uncertainty Of Measurement</b> :As Per Report<br><b>Location</b> :lab |
|--|---|

**THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC 17025.**

**2.DETAILS OF MASTER USED**

| Standard Instrument Used                      | Make/ Model | Id No     | Traceable To/Certificate No                   | Validity |
|---|-------------|-----------|---|----------|
| Decade Megohm                                 | Vaisashika  | Rml-230   | Vaiseshika,Ambala Cantt/Ved/Nabl/18-19(Et)/92 | 1-6-2024 |
| Multi Product Calibrator                      | Fluke       | Rml-262   | Wavecal,Blr/Cs-18/01-01                       | 1-6-2024 |
| Multi Product Calibrator (Ac/Dc Current Coil) | Transmille  | Rml-252-1 | Wavecal,Blr/Cs-18/69-01                       | 1-6-2024 |
| Leakage Current Tester                        | Htc/Cl-2054 | Rml-254-1 | Rmtl/01/319107848                             | 1-6-2024 |

**CALIBRATION FIELD:** Electro Technical (Voltage Calibration -Ac)

| Sl.no | Range       | Master readings v | Calibrated values v | Error observed v | Uncertainty v |
|-------|-------------|-------------------|---------------------|------------------|---------------|
| 1     | 0 v to 400v | 230               | 231                 | 1                | 0.055         |

**CURRENT CALIBRATION**Ac Current @50Hz

| Sl.no | Range     | Master readings mA | Calibrated values mA | Error observed mA | Uncertainty mA |
|-------|-----------|--------------------|----------------------|-------------------|----------------|
| 1     | 40Ma-100A | 2                  | 2.002                | -0.002            | 0.045          |

**Resistance calibration**

| Sl.no | Range | Master readings ohms | Calibrated values ohms | Error observed ohms | Uncertainty Ohms |
|-------|-------|----------------------|------------------------|---------------------|------------------|
| 1     | 40    | 39                   | 39.01                  | 0.001               | 0.007            |

**4.remarks**

- 4.1 uncertainty estimated for a confidence level of 95% at the k factor=2
  - 4.2the reported results are valid only for the condition of the inst./gauge received at the time of and under the condition of the calibration
  - 4.3 DUC –device under calibration
- Calibration label /status : Calibration result pass & fail are indicated

|   |   |   |   |
|---|---|---|---|
| <br>CALIBRATION ENGINEER | <br>CALIBRATION SEAL | <br>AUTHORIZED SIGN | This Report Refers Only To The Sample Submitted And May Not Be Reproduces In Full Or In Part, Without Written Permission From Roots Metrology & Testing Laboratory, Coimbatore, |
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