

# **ROOTS METROLOGY & TESTING LABORATORY**

## (A Division of Roots Industries India Limited)

156, Bommasandra Industrial Area, Bommasandra, Jigani Link Road,

Anekal Taluk, Bangalore - 560 099, Mobile : 97900 14066, E-mail : blrmetlab@rootsemail.com



: Onsite

### **CALIBRATION CERTIFICATE**

| ULR-CC278222030011018F    |   |
|---------------------------|---|
| Date of Issue             | : 21-10-2022  |
| Date of Receipt of Item   | : 18-10-2022  |
| Date of Calibration       | : 18-10-2022  |
| Calibration Due           | : 17-10-2023  |
| (As Per Customer Request) |   |
| Customer Reference        | : On-Site # 18-10-2022  |
|                           | Date of Receipt of Item Date of Calibration Calibration Due (As Per Customer Request) |

| 1 DESCRIPTION OF | DEVICE                 | Customer Reference   | : On-Site # 18-10-2022  |
|------------------|------------------------|--|---|
| Name of the DUC  | DEVICE UNDER CALIBRATI | ON (DUC)   |   |
|                  | : MICROSCOPE           | Receiving Condition of DUC   | : Satisfactory  |
| Identification   | : NA                   | Reference Document   | k minimum modern o a sur facilità della companiazione di con- |
| Sl.No.           | : 170498539            | Reference Document   | : As Per Manufacturer   |
| Make             |                        | A State of the Sta | Specification   |
|                  | : LABOMED              | Cal. Procedure Ref. No.  | : BRMTL/WI/418 & 434  |
| Model.           | : VISION 2000          | <b>Environmental Condition</b>   | 4   |
| Location         | : LABORATORY           | Colibrated at  | : Temp: 24.2°C / RH: 57%                                      |

#### 2. DETAILS OF MASTER USED

| Standard Instrument Used   | Make / Model         | SL. No. / ID No.        | Traceable To / Certificate No. | Validity   |
|----------------------------|----------------------|-------------------------|--------------------------------|------------|
| Electrical Safety Analyzer | Rigel Medical / 288+ | 48K-0413<br>BRMTL-315   | ACCS221794                     | 12.09.2023 |
| Electrical Safety Analyzer | Rigel Medical / 288+ | 48K-0413<br>BRMTL-315   | CRMTL/01/422100328-A1          | 22.04.2023 |
| Lux meter                  | Testo / 440          | 83034835<br>BRMTL - 323 | JRPM-CCTR-OPT-2022-<br>0061    | 21.06.2023 |

Calibrated at

### The Masters are traceable to National / International standards as per ISO/IEC 17025

: LABORATORY

#### FIELD - MEDICAL DEVICES

#### **Calibration Results**

#### 3. VISUAL INSPECTION

| SL. No. | Description                     | Remarks |      |
|---------|---------------------------------|---------|------|
|         | Description                     | Pass    | Fail |
| 1       | Device Clean and Decontaminated | 1       |      |
| 2       | Physical damage                 | 1       |      |
| 3       | Power cord check                | V       |      |

#### 4. ELECTRICAL SAFETY

#### 4.1 LOAD TEST (MAINS VOLTAGE)

| SL. NO. | Specification   | Measured Value (V) | Allowable Limit (V) | Uncertainty ± (%) | Remarks |
|---------|-----------------|--------------------|---------------------|-------------------|---------|
| 1       | Live to Neutral | 230                | 230 ± 10 %          | 7.59              | Pass    |
| 2       | Live to Earth   | 230                | 230 ± 10 %          | 7.59              | Pass    |

| CALIBRATED BY (CALIBRATION ENGINEER) | AUTHORIZED BY (QM/TM/DY.TM/Sr.Er) |  |  |
|--------------------------------------|-----------------------------------|--|--|
| VIJAN PU                             | L<br>KAMALAKANNAN R               | This Report refers only to the sample submitted and may not be reproduced in full or in part, without written permission from Quality Manager Roots Metrology & Testing Laboratory, Bangalore. |  |