



# G MULTI SERVICES

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Bio Medical Instruments Services

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## Calibration Protocol & Report for Medical Equipment

Equipment : MICROSCOPE


MAKE : ZOOM SCIENTIFIC WORLD

MODEL : ZBCM-08

PROTECT CLASS /TYPE : Risk Class II/CF

S. No. : 474353

Location : GPHC, SUMAITHANGI.

| S.No                                            | Measurement Parameters                                                                                                                                                                                                                                                        | Status                                                                              | Remarks                                              |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------|
| 1                                               | <b>Electrical Test</b><br>(a) Safety Standards (range : 210-240 V)<br>(b) Equipotential ground & Earthing<br>(c) Risk of shock/fire Hazards, if any<br>(d) Chassis & Insulation Resistance<br>(e) Earth & Chassis Leakage Current<br>(f) Battery conditions & charging status | 235 volts<br>0 to 5volts<br>No<br>Zero ohms<br>10mA<br>---                          | Stabilizer/Ups<br><br>With in<br>Ranges<br>Well      |
| 2                                               | <b>Physical Condition Test</b><br>(a) Cabinet & Visible damages, if any<br>(b) Power Supply unit, halogen lamps, Power cord accessories<br>(c) Risk of mechanical damages, if any                                                                                             | No<br>OK<br>No                                                                      | Checked ok                                           |
| 3                                               | <b>Performance Test</b><br>(a) Halogen lamps intensity<br>(b) Intensity test taken by lux meter for a particular lamp & results<br>(c) Measurement of lux/Lens range<br>(d) Lamp life time                                                                                    | Normal<br>OK<br>OK<br>OK                                                            | Fine<br>Brightness<br>Perfect<br>20000 hrs<br>Apprx. |
| 4                                               | <b>Calibration Test</b><br>(a) LED lamps intensity<br>(b) Intensity test taken by lux meter for a particular lamp & results<br>(c) Measurement of Lux/Lenses cal<br>(d) Lamp life time                                                                                        | OK<br>Done<br>1200 Lux<br>Ok                                                        | In range<br>Peak<br>in range<br>in range             |
| Formulated By: Edition<br>Research Laboratory   |                                                                                                                                                                                                                                                                               | Issued By:                                                                          | User Department:                                     |
| Endorsed By :<br>Research team<br>head          | R                                                                                                                                                                                                                                                                             |  |                                                      |
| Reviewed On: 03.09.23<br>Next Review : 02.09.24 |                                                                                                                                                                                                                                                                               |                                                                                     |                                                      |