



# SILICON TECHNOLOGIES

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## Calibration Protocol & Report for Medical Equipment

Equipment : MICROSCOPE      Protect Class/Type : Risk class II/CF  
Make : LYNX      S.No : 1710(N107)  
Model : LM-52      Location : ADAMANGALAM PUDUR- GPHC

| S.no                                             | Measurement Parameters  |                                                                                                                                                                                                                                                         | Status                                                  | Remarks                                            |
|--------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------|
| I                                                | Electrical Test         | (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 condition & charging status | 235volts<br>0 to 5volts<br>No<br>Zero ohms<br>10mA<br>— | Stabilizer/UPS<br><br>With in ranges well          |
| II                                               | Physical Condition Test | (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><br>No                                      | <br><br>Checked ok                                 |
| III                                              | Performance Test        | (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><br>ok<br>Ok                            | Fine<br>brightness<br>perfect<br>20000 hrs<br>appx |
| IV                                               | Calibration Test        | (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><br>1600 lux<br>Ok                        | In range<br>peak<br><br>in range<br>in range       |
| Formulated By : Einstein Research Laboratory     |                         | Issued By:                                                                                                                                                                                                                                              | User Department:                                        |                                                    |
| Endorsed By :<br>Research team head              |                         | <b>T. Arunprasad</b><br><b>SILICON TECHNOLOGIES</b><br>A Biomedical Instrumentation Company<br>COIMBATORE - 641 039<br>Cell: 98552 85754, 81246 75020.                                                                                                  |                                                         |                                                    |
| Reviewed On : 12.09.23<br>Next Review : 12.03.24 |                         |                                                                                                                                                                                                                                                         |                                                         |                                                    |

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