# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NORTHLAB INDIA PRIVATE LIMITED, PLOT NO. 1, S.V. NAGAR, PERUMALPATTU, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-10872 **Page No** 1 of 4

**Validity** 27/07/2022 to 26/07/2024 **Last Amended on** 01/09/2022

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| Permanent Facility | | | | |
| 1 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Construction of ME equipment | Cl. no. 15.1 & 15.2 of IS 13450 (part 1) |
| 2 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Creepage distances and air clearances | Cl. no. 8.9 of IS 13450 (part 1) |
| 3 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Determination of applied parts and accessible parts | Cl. no. 5.9 of IS 13450 (part 1) |
| 4 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Di electric strength | Cl. no. 8.8.3 of IS 13450 (part 1) |
| 5 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Drop test | Cl. no. 15.3.4.1 of IS 13450 (part 1) |
| 6 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Humidity preconditioning treatment | Cl. no. 5.7 of IS 13450 (part 1) |
| 7 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Impact test | Cl. no. 15.3.3 of IS 13450 (part 1) |
| 8 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Impedance and current carrying capability | Cl. no. 8.6.4 of IS 13450 (part 1) |
| 9 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Instability in transportation position | Cl. no. 9.4.2.1 of IS 13450 (part 1) |
| 10 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Leakage current and patient auxillary currents | Cl. no. 8.7.1 ,8.7.2 & 8.7.3 of IS 13450 (part 1) |
| 11 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Mould stress test | Cl. no. 15.3.6 of IS 13450 (part 1) |
| 12 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Power input | Cl. no. 4.11 of IS 13450 (part 1) |
| 13 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Protection against excessive temperature & other hazards | Cl. no. 11.1.1 of IS 13450 (part 1) |
| 14 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Push test | Cl. no. 15.3 2 of IS 13450 (part 1) |
| 15 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Rough handling test | Cl. no.15.3.5 of IS 13450 (part 1) |
| 16 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Strength of patient or operator support or suspension system | Cl. no. 9.8.3. of IS 13450 (part 1) |
| 17 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Tensile safety factor | Cl.no. 9.8.2 of IS 13450 (part 1) |
| 18 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Test durability of marking | Cl. no. 7.1.3 of IS 13450 (part 1) |

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| **Certificate Number** | TC-10872 | **Page No** | 2 of 4 |
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| 19 | ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT | Electro mechanical relay | Drop out test | Cl. no. 7.1 of IS 9124 |
| 20 | ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT | Electro mechanical relay | Pick up value | Cl. no. 7.1 of IS 9124 |
| 21 | ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT | Medical electrical equipment | Time | Cl. no. 7.1 of IS 9124 |
| 22 | ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT | Static relay | Drop out value | Cl. no. 7.1 of IS 9124 |
| 23 | ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT | Static relay | Pick up value | Cl. no. 7.1 of IS 9124 |
| 24 | ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT | Static relay | Time | Cl. no. 7.1 of IS 9124 |

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| Site Facility | | | | |
| 1 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Construction of ME equipment | Cl. no. 15.1 & 15.2 of IS 13450 (part 1) |
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| 7 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Power input | Cl. no. 4.11 of IS 13450 (part 1) |
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| 9 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Push test | Cl. no. 15.3 2 of IS 13450 (part 1) |
| 10 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Rough handling test | Cl. no.15.3.5 of IS 13450 (part 1) |
| 11 | ELECTRICAL- SAFETY TESTING FACILITY | Medical electrical equipment | Test durability of marking | Cl. no. 7.1.3 of IS 13450 (part 1) |
| 12 | ELECTRICAL- SWITCHGEAR & PROTECTIVE EQUIPMENT | Electro mechanical relay | Drop out test | Cl. no. 7.1 of IS 9124 |
| 13 | ELECTRICAL- SWITCHGEAR & PROTECTIVE EQUIPMENT | Electro mechanical relay | Pick up value | Cl. no. 7.1 of IS 9124 |
| 14 | ELECTRICAL- SWITCHGEAR & PROTECTIVE EQUIPMENT | Medical electrical equipment | Time | Cl. no. 7.1 of IS 9124 |
| 15 | ELECTRICAL- SWITCHGEAR & PROTECTIVE EQUIPMENT | Static relay | Drop out value | Cl. no. 7.1 of IS 9124 |
| 16 | ELECTRICAL- SWITCHGEAR & PROTECTIVE EQUIPMENT | Static relay | Pick up value | Cl. no. 7.1 of IS 9124 |

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| 17 | ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT | Static relay | Time | Cl. no. 7.1 of IS 9124 |