# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** REGIONAL REFERENCE STANDARDS LABORATORY, SECTOR-56, SAMAYPUR ROAD, BALLABGARH, FARIDABAD, FARIDABAD, HARYANA, INDIA

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

**Certificate Number** TC-9179 **Page No** 1 of 3

**Validity** 28/12/2020 to 27/12/2022 **Last Amended on** 21/12/2021

| 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 | ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT | CLINICAL THERMOMETER | Low-voltage indication of battery or auxiliary power source | OIML R 114, Clause 5.3.1 & OIML R 115, Clause 5.3.1 |
| 2 | ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT | CLINICAL THERMOMETER | Humidity test | OIML R 114, Clause 5.3.5 & OIML R 115, Clause 5.3.5 |
| 3 | ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT | CLINICAL THERMOMETER | Maximum Permissible Errors | OIML R 114, Clause 4.2.1 & 4.2.2 & OIML R 115, Clause 4.2.1 and 4.2.2 |
| 4 | ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT | CLINICAL THERMOMETER | Mechanical Shock | OINML R 115, Clause 5.3.7 |
| 5 | ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT | CLINICAL THERMOMETER | Water resistance test | OIML R 115, Clause 5.3.8 |
| 6 | ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT | SPHYGMOMANOMETER | Test for air leakage of the pneumatic system | OIML R 149-1, Clause 6.4.1 & OIML R 148-1, Clause 6.2.1 |
| 7 | ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT | SPHYGMOMANOMETER | Test for cuff pressure deflation following an aborted measurement | OIML R 149-1, Clause 6.9.1 |
| 8 | ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT | SPHYGMOMANOMETER | Test for effect of voltage variations of the power source (AC/ DC) | OIML R 149-1, Clause 6.3 |
| 9 | ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT | SPHYGMOMANOMETER | Test for maximum time for which the cuff is inflated | OIML R 149-1, Clause 6.4.6 |
| 10 | ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT | SPHYGMOMANOMETER | Test for pressure reduction rate of devices using the auscultatory method | OIML R 149-1, Clause 6.4.2 & OIML R 148-1, Clause 6.2.2 |
| 11 | ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT | SPHYGMOMANOMETER | Test for rapid exhaust | OIML R 148-1, Clause 6.2.3 & OIML R 149-1, Clause 6.4.3 |
| 12 | ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT | SPHYGMOMANOMETER | Test for scale spacing and thickness of scale marks | OIML R 148-1, Clause 6.3.2.4 |
| 13 | ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT | SPHYGMOMANOMETER | Test for security against mercury losses | OIML R 148-1, Clause 6.4.2 |
| 14 | ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT | SPHYGMOMANOMETER | Test for the hysteresis error of the aneroid manometer | OIML R 148-1, Clause 6.5.4 |
| 15 | ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT | SPHYGMOMANOMETER | Test for the influence of mercury stopping device | OIML: R 148-1, Clause 6.4.2 |
| 16 | ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT | SPHYGMOMANOMETER | Test of durability of markings | OIML R 148-1, Clause 6.7 & OIML R 149-1, Clause 6.11 |

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| 17 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | Stability of Equilibrium | OIML R-76 |
| 18 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | Tilting test | OIML R-76 |
| 19 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | AC Mains voltage dip and short interruption | OIML R-76 |
| 20 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | Creep Test | OIML R-76 |
| 21 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | Damp heat,Steady state | OIML R-76 |
| 22 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | Discrimination test | OIML R-76 |
| 23 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | ECCENTRICITY USING WEIGHTS | OIML R-76 |
| 24 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | Electrical bursts | OIML R-76 |
| 25 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | Electrostatic Discharges | OIML R-76 |
| 26 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | Endurance test | OIML R-76 |
| 27 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | Immunity to radiated electromagnetic fields | OIML R-76 |
| 28 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | Repeatability test | OIML R-76 |
| 29 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | Span Stability test | OIML R-76 |
| 30 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | Tare test | OIML R-76 |

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| 31 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | Temperature effect at no load indication | OIML R-76 |
| 32 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | Voltage Variation Test | OIML R-76 |
| 33 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | Warm up time test | OIML R-76 |
| 34 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | weighing performance | OIML R-76 |
| 35 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Non Automatic Weighing Instruments (Weighing Balances) | Zero Return test | OIML R-76 |
| 36 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | watermeter | Endurance test | OIML R 49 |
| 37 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | watermeter | Flow disturbance test | OIML R 49 |
| 38 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Watermeter | Intrinsic errors (of Indication) | OIML R-49 |
| 39 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Watermeter | Meter characteristic at zero flow rate | OIML R 49 |
| 40 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | watermeter | Pressure loss test | OIML R 49 |
| 41 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Watermeter | Sign of errors ( of indication) | OIML R-49 |
| 42 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Watermeter | Static Pressure Test | OIML R 49 |
| 43 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Watermeter | Water pressure test | OIML R-49 |
| 44 | MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST | Watermeter | Water Temperature test | OIML R-49 |