# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** RRTL, RAYCHEM RPG PRIVATE LIMITED, 1/62, M.G.ROAD, OFF WESTERN EXPRESS HIGHWAY, POST SATIVALI, VASAI, PALGHAR, MAHARASHTRA, INDIA

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

**Certificate Number** TC-10900 **Page No** 1 of 5

**Validity** 03/08/2022 to 02/08/2024 **Last Amended on** -

| 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 | Electrical Insulating Gloves (Natural Rubber) | Dielectric tests: Proof test (AC 50 Hz and upto 50kV only) | IEC 60903 (clause 5.6.1.4.2) |
| 2 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Insulating Gloves (Natural Rubber) | Dielectric tests: withstand test (AC 50 Hz and upto 50kV only) | IEC 60903 (clause 5.6.1.4.3) |
| 3 | ELECTRICAL- SAFETY TESTING FACILITY | Electrical Insulating Gloves (Natural Rubber) | Electric tests: AC proof test and AC breakdown test (AC 50 Hz and upto 50kV only) | ASTM D120 (clause 11 & 18) |
| 4 | ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluminium | Current cycle test resistance measurement | ANSI C119.0 (clause 3.2 & 5.1.9.3) |
| 5 | ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluminium | Current cycle test, measurement | ANSI C119.4 (clause 6.3.1 & 6.3.1.6) |
| 6 | ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluminium | Current cycle test, resistance | ANSI C119.5 (clause 6.3.2 & 4.3.2.1) |
| 7 | ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluminium | Current cycling test | UL486A-486B (clause 7.2) |
| 8 | ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluminium | Heat cycle test, electrical resistance measurement | AS/NSZ 4325.1 (clause 6.3 & 6.2.1) |
| 9 | ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluminium | Heat cycle test, electrical resistance measurement | IEC-61238-1-3 (clause 6.3 & 6.2.2) |
| 10 | ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluminium | Heat cycling test, electrical resistance measurement | BS EN IEC 61238-1-1 (clause 6.3 & 6.2.2) |
| 11 | ELECTRICAL- TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluminium | Heat cycling test, electrical resistance measurement | BS EN IEC 61238-1-2 (clause 6.3 & 6.2.2) |

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| 12 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluminium | Heat cycling test, electrical resistance measurement | BS EN IEC 61238-1-3 + A11 (clause 6.3 & 6.2.2) |
| 13 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluminium | Heat cycling test, electrical resistance measurement | IEC 61238-1-2 (clause 6.3 & 6.2.2) |
| 14 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluminium | Short circuit test | IEC 61238-1-1 (clause 6.4) |
| 15 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluminium | Short circuit test | IEC 61238-1-2 (clause 6.4) |
| 16 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluminium | Short circuit test | IEC 61238-1-3 (clause 6.4) |
| 17 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluminium | Short time current | UL 467 (clause 7.5) |
| 18 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluminium | Static heating stability test | ANSI C119.0 (clause 5.2) |
| 19 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluminium | Static heating stability test | ANSI C119.4 (clause 6.3.2) |
| 20 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors / Copper & Aluuminium | Current cycle test | ANSI C119.6 (clause 4.3.1) |
| 21 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Connectors/ Copper & Aluminium | Heat cycling test, electrical resistance measurement | IEC 61238-1-1 (clause 6.3 & 6.2.2) |
| 22 | ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES | Copper & Aluminium | Static heating sequence test | UL486A-486B (clause 7.3) |

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|---|---|---|---|---|
| 23 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Copper & Aluminium | Pull out test | ANSI C119.5 |
| 24 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Copper & Aluminium | Pull out test | ANSI C119.6 |
| 25 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Copper & Aluminium | Pull out test | BS EN IEC 61238-1- 3 |
| 26 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Copper & Aluminium | Pull out test | BS EN IEC 61238-1-1 |
| 27 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Copper & Aluminium | Pull out test | BS EN IEC 61238-1-2 |
| 28 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Copper & Aluminium | Pull out test | BS EN IEC 61238-1-3 +A11 |
| 29 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Copper & Aluminium | Pull out test | IEC 61238-1-1 |
| 30 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Copper & Aluminium | Pull out test | IEC 61238-1-2 |
| 31 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Copper & Aluminium | Pull out test | IEC 61238-1-3 |
| 32 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Copper & Aluminium | Pull out test | UL 486A-B |
| 33 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Copper & Aluminium | Secureness test | UL 486A-B |
| 34 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Copper and Aluminium | Pull out test | ANSI C119.4 |
| 35 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Copper and Aluminium | Pull out test | AS/NZS 4325 |
| 36 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Copper and Aluminium | Pull out test | AS/NZS 4325.1 |

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| 37 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Copper and Aluminium | Pull out test, secureness test | UL 486A-B |
| 38 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Tear resistance | IEC 60903 |
| 39 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber hand Gloves | Elongation at break | ASTMD 120 |
| 40 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Elongation at break | IEC 60903 |
| 41 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Extreme low temperature | IEC 60903 |
| 42 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Hardness | ASTMD 120 |
| 43 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber hand Gloves | Moisture absorption test | IEC 60903 |
| 44 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Oil resistance | IEC 60903 |
| 45 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Resistance to mechanical puncture | IEC 60903 |
| 46 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Tension set | IEC 60903 |
| 47 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Acid resistance | IEC 60903 |
| 48 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Ageing test | IEC 60903 |
| 49 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Low temperature test | IEC 60903 |
| 50 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Moisture absorption | ASTMD 120 |
| 51 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Puncture resistance | ASTMD 120 |
| 52 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Tensile strength | IEC 60903 |
| 53 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Tensile strength , Die C | ASTM D120 |
| 54 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Tensile stress @200% | ASTMD 120 |

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| 55 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Tension set @400% | ASTMD 120 |
| 56 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Thickness test | ASTM D120 |
| 57 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves | Thickness test | IEC 60903 |
| 58 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Hand Gloves Composite | Resistance to mechanical puncture | IEC 60903 |
| 59 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber Resistance Test | Tear resistance | ASTMD 142 |