# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** SML TESTING SERVICES, SY. NO:114/1, #552, BHEEMANA KUPPE CROSS, BIG BANYAN TREE ROAD, BENGALURU, KARNATAKA, INDIA

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

**Certificate Number** TC-8755 **Page No** 1 of 5

**Validity** 22/02/2023 to 21/02/2025 **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 | CHEMICAL- CORROSION TESTS | Coated Products / Panels / Raw Materials | Neutral Salt Spray Test | ASTM B117 |
| 2 | CHEMICAL- CORROSION TESTS | Painted Products / Panels / Raw Materials | Neutral Salt Spray Test | ASTM B117 |
| 3 | CHEMICAL- CORROSION TESTS | Plated Products / Panels / Raw Materials | Neutral Salt Spray Test | ASTM B117 |
| 4 | MECHANICAL- PAPER & PAPER PRODUCTS | Paper | Edge crush test | IS 7063(Part-II) |
| 5 | MECHANICAL- PAPER & PAPER PRODUCTS | Paper | Tensile Index | IS 1060 : Part 5 : Sec 6 |
| 6 | MECHANICAL- PAPER & PAPER PRODUCTS | Paper | Thickness | IS 1060 : Part 5 : Sec 3 |
| 7 | MECHANICAL- PAPER & PAPER PRODUCTS | Paper and pulp products | Ash content at 900°C | IS 1060 : Part 4 : Sec 3 |
| 8 | MECHANICAL- PAPER & PAPER PRODUCTS | Paper board | Bursting strength | IS 1060 : Part 7 : Sec 1 |
| 9 | MECHANICAL- PAPER & PAPER PRODUCTS | Paper board | water penetration/ Cobb test | IS 1060 : Part 5 : Sec 4 |
| 10 | MECHANICAL- PAPER & PAPER PRODUCTS | Paper products | Ash content at 525°C | IS 1060 : Part 4 : Sec 2 |
| 11 | MECHANICAL- PAPER & PAPER PRODUCTS | Paper products | Bursting Strength | IS 1060 : Part 6 : Sec 2 |
| 12 | MECHANICAL- PAPER & PAPER PRODUCTS | Paper products | Substance | IS 1060 : Part 5 : Sec 5 |
| 13 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible packaging films/ sheets | Bubble leak test | ASTM D3078-02 e1 |
| 14 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible packaging films/ sheets | Bursting strength | IS 7016 : Part 6 : Sec 2 |
| 15 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible packaging films/ sheets | Coefficient of friction test | ASTM D1894 |
| 16 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible packaging films/ sheets | Dart Impact test | ASTM D1709 |
| 17 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible packaging films/ sheets | Dimensions (Thickness) | IS 2508 |
| 18 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible packaging films/ sheets | Dye leak test | ASTM F1929 |

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| 19 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible packaging films/ sheets | Elongation at Break | ASTM D882 |
| 20 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible packaging films/ sheets | Elongation at Break | IS 13217 |
| 21 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible packaging films/ sheets | Elongation at Break | IS 2508 |
| 22 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible packaging films/ sheets | Peel Adhesion strength | ASTM D3330 |
| 23 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible packaging films/ sheets | Peel strength | BS EN 868(Part-5) |
| 24 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible packaging films/ sheets | Seal strength | ASTM F88 |
| 25 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible packaging films/ sheets | Tear Strength | ASTM D1004 |
| 26 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible packaging films/ sheets | Tensile / Breaking strength | ASTM D882 |
| 27 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible packaging films/ sheets | Tensile strength | IS 13217 |
| 28 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible packaging films/ sheets | Tensile/ Breaking strength | IS 2508 |
| 29 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible/ rigid cellular foam | Compression set | ASTM D3575 |
| 30 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible/ rigid cellular foam | Compression set | IS 7888 |
| 31 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible/ rigid cellular foam | Flammability test | ASTM D3575 |
| 32 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible/ rigid cellular foam | Flammability test | IS 15061 |
| 33 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible/ rigid cellular foam | Indentation Load Deflection test | IS 7888 |
| 34 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible/ rigid cellular foam | Shear Fatigue test - Change in thickness | IS 7888 |
| 35 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible/ rigid cellular foam | Shear fatigue test-Change in load | IS 7888 |
| 36 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible/ rigid cellular foam | Tear Strength | ASTM D3575 |
| 37 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible/ rigid cellular foam | Tensile strength | ASTM D3575 |

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| 38 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Flexible/ rigid cellular foam | Tensile strength | IS 7888 |
| 39 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Foam | Density | ASTM D3575 |
| 40 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Foam | Density | IS 7888 |
| 41 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | HDPE/ LDPE pipes | Dimensions | IS 4984 |
| 42 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | HDPE/ LDPE pipes | Reversion test | IS 4984 |
| 43 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Rigid and semi rigid thermo-plastics including filled, reinforced, moulded & extrusion materials | Compression properties | ASTM D695 |
| 44 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Rigid and semi rigid thermo-plastics including filled, reinforced, moulded & extrusion materials | Density | ASTM D792 |
| 45 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Rigid and semi rigid thermo-plastics including filled, reinforced, moulded & extrusion materials | Flexural Modulus | ASTM D790 |
| 46 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Rigid and semi rigid thermo-plastics including filled, reinforced, moulded & extrusion materials | Flexural Strength | ASTM D790 |
| 47 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Rigid and semi rigid thermo-plastics including filled, reinforced, moulded & extrusion materials | Hardness, Shore D | ASTM D2240 |
| 48 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Rigid and semi rigid thermo-plastics including filled, reinforced, moulded & extrusion materials | Heat Deflection temperature | ASTM D648 |
| 49 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Rigid and semi rigid thermo-plastics including filled, reinforced, moulded & extrusion materials | Impact properties | ASTM D256 |
| 50 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Rigid and semi rigid thermo-plastics including filled, reinforced, moulded & extrusion materials | Melt flow index test | ASTM D1238 |
| 51 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Rigid and semi rigid thermo-plastics including filled, reinforced, moulded & extrusion materials | Specific Gravity | ASTM D 792 |
| 52 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Rigid and semi rigid thermo-plastics including filled, reinforced, moulded & extrusion materials | Tensile Elongation | ASTM D638 |
| 53 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Rigid and semi rigid thermo-plastics including filled, reinforced, moulded & extrusion materials | Tensile properties | ASTM D638 |
| 54 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Rigid and semi rigid thermo-plastics including filled, reinforced, moulded & extrusion materials | Vicat softening temperature | ASTM D1525 |
| 55 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Road pavement marker | Compressive strength | ASTM D4280 |
| 56 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Road payment marker | Longitudinal flexural strength | ASTM D4280 |

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| 57 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Road payment marker | Resistance to lens cracking | ASTM D4280 |
| 58 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Road payment marker | Temperature cycling | ASTM D4280 |
| 59 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | UPVC pipes | Dimensions | IS 4985 |
| 60 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | UPVC pipes | Reversion test | IS 4985 |
| 61 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | UPVC pipes | Specific gravity | IS 4985 |
| 62 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | UPVC pipes | Sulphated Ash content | IS 4985 |
| 63 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | UPVC pipes | Vicat softening temperature | IS 6307 |
| 64 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized rubber | Compression set | IS 3400 : Part 10 : Sec 1 |
| 65 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized rubber | Density/ Specific gravity | IS 3400 : Part 9 |
| 66 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized rubber | Haardness, shore A | ASTM D2240 |
| 67 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized rubber | Swelling test(Lube oil & Break oil) | IS 3400 : Part 6 |
| 68 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized Rubber | Tear Strength | ASTM D624 |
| 69 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized Rubber | Tensile Elongation | ASTM D412 |
| 70 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized rubber | Tensile strength | ASTM D412 |
| 71 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized rubbers | Change in Volume | IS 7466 |
| 72 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized rubbers | Compression set | ASTM D395 |
| 73 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized rubbers | Compression set | IS 7466 |
| 74 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized Rubbers | Hardness, Shore A | IS 3400(Part-23/sec.1) |
| 75 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized Rubbers | Tear strength | IS 3400 : Part 17 |

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| 76 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized rubbers | Tensile strength | IS 3400 : Part 1 |
| 77 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized rubbers | Workmanship and finish | IS 7466 |