# SCOPE OF ACCREDITATION

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|---|---|
| **Laboratory Name :** | RAGHAVENDRA SPECTRO METALLURGICAL LABORATORY, #5-9-262/1/NR, RAJIV GANDHI NAGAR, KUKATPALLY, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA |
| **Accreditation Standard** | ISO/IEC 17025:2017 |
| **Certificate Number** | TC-7547 |
| **Page No** | 1 of 11 |
| **Validity** | 16/11/2022 to 15/11/2024 |
| **Last Amended on** | 26/01/2023 |

| 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 / Plated Articles | Neutral Saltspray Test | ASTM B 117 |
| 2 | CHEMICAL- CORROSION TESTS | Coated / Plated Articles | Neutral Saltspray Test | IS 9844 |
| 3 | CHEMICAL- CORROSION TESTS | Metallic Coatings | Mass of Zinc Coating | ASTM A 90 |
| 4 | CHEMICAL- CORROSION TESTS | Metallic coatings | Mass of Zinc Coating | IS:6745 |
| 5 | CHEMICAL- METALS & ALLOYS | Aluminium & its alloys | Beryllium | ASTM E 1251 |
| 6 | CHEMICAL- METALS & ALLOYS | Aluminium & its alloys | Chromium | ASTM E 1251 |
| 7 | CHEMICAL- METALS & ALLOYS | Aluminium & its alloys | Cobalt | ASTM E 1251 |
| 8 | CHEMICAL- METALS & ALLOYS | Aluminium & its alloys | Copper | ASTM E 1251 |
| 9 | CHEMICAL- METALS & ALLOYS | Aluminium & its alloys | Iron | ASTM E 1251 |
| 10 | CHEMICAL- METALS & ALLOYS | Aluminium & its alloys | Lead | ASTM E 1251 |
| 11 | CHEMICAL- METALS & ALLOYS | Aluminium & its alloys | Magnesium | ASTM E 1251 |
| 12 | CHEMICAL- METALS & ALLOYS | Aluminium & its alloys | Manganese | ASTM E 1251 |
| 13 | CHEMICAL- METALS & ALLOYS | Aluminium & its alloys | Nickel | ASTM E 1251 |
| 14 | CHEMICAL- METALS & ALLOYS | Aluminium & its alloys | Silicon | ASTM E 1251 |
| 15 | CHEMICAL- METALS & ALLOYS | Aluminium & its alloys | Tin | ASTM E 1251 |
| 16 | CHEMICAL- METALS & ALLOYS | Aluminium & its alloys | Titanium | ASTM E 1251 |
| 17 | CHEMICAL- METALS & ALLOYS | Aluminium & its alloys | Vanadium | ASTM E 1251 |
| 18 | CHEMICAL- METALS & ALLOYS | Aluminium & its alloys | Zinc | ASTM E 1251 |

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

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|---|---|---|---|---|
| 19 | CHEMICAL- METALS & ALLOYS | Cast Iron | Aluminium | IS:15338 |
| 20 | CHEMICAL- METALS & ALLOYS | Cast Iron | Carbon | IS:15338 |
| 21 | CHEMICAL- METALS & ALLOYS | Cast Iron | Chromium | IS:15338 |
| 22 | CHEMICAL- METALS & ALLOYS | Cast Iron | Copper | IS:15338 |
| 23 | CHEMICAL- METALS & ALLOYS | Cast Iron | Manganese | IS:15338 |
| 24 | CHEMICAL- METALS & ALLOYS | Cast Iron | Molybdenum | IS:15338 |
| 25 | CHEMICAL- METALS & ALLOYS | Cast Iron | Nickel | IS:15338 |
| 26 | CHEMICAL- METALS & ALLOYS | Cast Iron | Phosphorus | IS:15338 |
| 27 | CHEMICAL- METALS & ALLOYS | Cast Iron | Silicon | IS:15338 |
| 28 | CHEMICAL- METALS & ALLOYS | Cast Iron | Sulphur | IS:15338 |
| 29 | CHEMICAL- METALS & ALLOYS | Cast Iron | Vanadium | IS:15338 |
| 30 | CHEMICAL- METALS & ALLOYS | Copper & its alloys | Aluminum | RSML SOP/1 |
| 31 | CHEMICAL- METALS & ALLOYS | Copper & its alloys | Arsenic | RSML SOP/1 |
| 32 | CHEMICAL- METALS & ALLOYS | Copper & its alloys | Chromium | RSML SOP/1 |
| 33 | CHEMICAL- METALS & ALLOYS | Copper & its alloys | Iron | RSML SOP/1 |
| 34 | CHEMICAL- METALS & ALLOYS | Copper & its alloys | Lead | RSML SOP/1 |
| 35 | CHEMICAL- METALS & ALLOYS | Copper & its alloys | Manganese | RSML SOP/1 |
| 36 | CHEMICAL- METALS & ALLOYS | Copper & its alloys | Nickel | RSML SOP/1 |
| 37 | CHEMICAL- METALS & ALLOYS | Copper & its alloys | Phosphorus | RSML SOP/1 |

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|---|---|---|---|---|
| 38 | CHEMICAL- METALS & ALLOYS | Copper & its alloys | Silicon | RSML SOP/1 |
| 39 | CHEMICAL- METALS & ALLOYS | Copper & its alloys | Sulphur | RSML SOP/1 |
| 40 | CHEMICAL- METALS & ALLOYS | Copper & its alloys | Tin | RSML SOP/1 |
| 41 | CHEMICAL- METALS & ALLOYS | Copper & its alloys | Zinc | RSML SOP/1 |
| 42 | CHEMICAL- METALS & ALLOYS | Copper Alloys | Beryllium | RSML/SOP/1 |
| 43 | CHEMICAL- METALS & ALLOYS | Low Alloy Steel | Aluminium | ASTM E 415 |
| 44 | CHEMICAL- METALS & ALLOYS | Low Alloy Steel | Arsenic | ASTM E 415 |
| 45 | CHEMICAL- METALS & ALLOYS | Low Alloy Steel | Carbon | ASTM E 415 |
| 46 | CHEMICAL- METALS & ALLOYS | Low Alloy Steel | Chromium | ASTM E 415 |
| 47 | CHEMICAL- METALS & ALLOYS | Low Alloy Steel | Cobalt | ASTM E 415 |
| 48 | CHEMICAL- METALS & ALLOYS | Low Alloy Steel | Copper | ASTM E 415 |
| 49 | CHEMICAL- METALS & ALLOYS | Low Alloy Steel | Lead | ASTM E 415 |
| 50 | CHEMICAL- METALS & ALLOYS | Low Alloy Steel | Manganese | ASTM E 415 |
| 51 | CHEMICAL- METALS & ALLOYS | Low Alloy Steel | Molybdenum | ASTM E 415 |
| 52 | CHEMICAL- METALS & ALLOYS | Low Alloy Steel | Nickel | ASTM E 415 |
| 53 | CHEMICAL- METALS & ALLOYS | Low Alloy Steel | Phosphorus | ASTM E 415 |
| 54 | CHEMICAL- METALS & ALLOYS | Low Alloy Steel | Silicon | ASTM E 415 |
| 55 | CHEMICAL- METALS & ALLOYS | Low Alloy Steel | Sulphur | ASTM E 415 |
| 56 | CHEMICAL- METALS & ALLOYS | Low Alloy Steel | Sulphur | IS 8811 |

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|---|---|---|---|---|
| 57 | CHEMICAL- METALS & ALLOYS | Low Alloy Steel | Tin | ASTM E 415 |
| 58 | CHEMICAL- METALS & ALLOYS | Low Alloy Steel | Vanadium | ASTM E 415 |
| 59 | CHEMICAL- METALS & ALLOYS | Low Alloy Steels | Aluminium | IS 8811 |
| 60 | CHEMICAL- METALS & ALLOYS | Low Alloy Steels | Arsenic | IS 8811 |
| 61 | CHEMICAL- METALS & ALLOYS | Low Alloy Steels | Carbon | IS 8811 |
| 62 | CHEMICAL- METALS & ALLOYS | Low Alloy Steels | Chromium | IS 8811 |
| 63 | CHEMICAL- METALS & ALLOYS | Low Alloy Steels | Copper | IS 8811 |
| 64 | CHEMICAL- METALS & ALLOYS | Low Alloy Steels | Manganese | IS 8811 |
| 65 | CHEMICAL- METALS & ALLOYS | Low Alloy Steels | Molybdenum | IS 8811 |
| 66 | CHEMICAL- METALS & ALLOYS | Low Alloy Steels | Nickel | IS 8811 |
| 67 | CHEMICAL- METALS & ALLOYS | Low Alloy Steels | Silicon | IS 8811 |
| 68 | CHEMICAL- METALS & ALLOYS | Low Alloy Steels | Sulphur | IS 8811 |
| 69 | CHEMICAL- METALS & ALLOYS | Low Alloy Steels | Tin | IS 8811 |
| 70 | CHEMICAL- METALS & ALLOYS | Low Alloy Steels | Vanadium | IS 8811 |
| 71 | CHEMICAL- METALS & ALLOYS | Low Alloys Steels | Cobalt | IS 8811 |
| 72 | CHEMICAL- METALS & ALLOYS | Low Alloys Steels | Phosphorus | IS 8811 |
| 73 | CHEMICAL- METALS & ALLOYS | Magnesium & its alloys | Aluminium | ASTM B 954 |
| 74 | CHEMICAL- METALS & ALLOYS | Magnesium & its alloys | Zinc | ASTM B 954 |
| 75 | CHEMICAL- METALS & ALLOYS | Magnesium & its alloys | Beryllium | ASTM B 954 |

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|---|---|---|---|---|
| 76 | CHEMICAL- METALS & ALLOYS | Magnesium & its alloys | Copper | ASTM B 954 |
| 77 | CHEMICAL- METALS & ALLOYS | Magnesium & its alloys | Iron | ASTM B 954 |
| 78 | CHEMICAL- METALS & ALLOYS | Magnesium & its alloys | Lead | ASTM B 954 |
| 79 | CHEMICAL- METALS & ALLOYS | Magnesium & its alloys | Manganese | ASTM B 954 |
| 80 | CHEMICAL- METALS & ALLOYS | Magnesium & its alloys | Nickel | ASTM B 954 |
| 81 | CHEMICAL- METALS & ALLOYS | Magnesium & its alloys | Silicon | ASTM B 954 |
| 82 | CHEMICAL- METALS & ALLOYS | Magnesium & its alloys | Tin | ASTM B 954 |
| 83 | CHEMICAL- METALS & ALLOYS | Nickel alloy | Silicon | ASTM E3047 |
| 84 | CHEMICAL- METALS & ALLOYS | Nickel Alloys | Aluminium | ASTM E 3047 |
| 85 | CHEMICAL- METALS & ALLOYS | Nickel alloys | Carbon | ASTM E 3047 |
| 86 | CHEMICAL- METALS & ALLOYS | Nickel Alloys | Chromium | ASTM E 3047 |
| 87 | CHEMICAL- METALS & ALLOYS | Nickel Alloys | Cobalt | ASTM E 3047 |
| 88 | CHEMICAL- METALS & ALLOYS | Nickel Alloys | Copper | ASTM E 3047 |
| 89 | CHEMICAL- METALS & ALLOYS | Nickel Alloys | Iron | ASTM E 3047 |
| 90 | CHEMICAL- METALS & ALLOYS | Nickel Alloys | Manganese | ASTM E 3047 |
| 91 | CHEMICAL- METALS & ALLOYS | Nickel Alloys | Niobium | ASTM E 3047 |
| 92 | CHEMICAL- METALS & ALLOYS | Nickel Alloys | Phosphorus | ASTM E 3047 |
| 93 | CHEMICAL- METALS & ALLOYS | Nickel Alloys | Sulphur | ASTM E 3047 |
| 94 | CHEMICAL- METALS & ALLOYS | Nickel Alloys | Titanium | ASTM E3047 |

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|---|---|---|---|---|
| 95 | CHEMICAL- METALS & ALLOYS | Nickel Alloys | Tungsten | ASTM E 3047 |
| 96 | CHEMICAL- METALS & ALLOYS | Nickel Alloys | Vanadium | ASTM E 3047 |
| 97 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Carbon | ASTM E 1086 |
| 98 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Carbon | IS 9879 |
| 99 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Chromium | IS 9879 |
| 100 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Copper | is 9879 |
| 101 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Manganese | IS 9879 |
| 102 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Molybdenum | IS 9879 |
| 103 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Nickel | IS 9879 |
| 104 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Phosphorus | IS 9879 |
| 105 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Silicon | IS 9879 |
| 106 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Sulphur | IS 9879 |
| 107 | CHEMICAL- METALS & ALLOYS | Stainless Steels | Chromium | ASTM E 1086 |
| 108 | CHEMICAL- METALS & ALLOYS | Stainless Steels | Copper | ASTM E 1086 |
| 109 | CHEMICAL- METALS & ALLOYS | Stainless Steels | Manganese | ASTM E 1086 |
| 110 | CHEMICAL- METALS & ALLOYS | Stainless Steels | Molybdenum | ASTM E 1086 |
| 111 | CHEMICAL- METALS & ALLOYS | Stainless Steels | Nickel | ASTM E 1086 |
| 112 | CHEMICAL- METALS & ALLOYS | Stainless Steels | Phosphorus | ASTM E 1086 |
| 113 | CHEMICAL- METALS & ALLOYS | Stainless Steels | Silicon | ASTM E 1086 |

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|---|---|---|---|---|
| 114 | CHEMICAL- METALS & ALLOYS | Stainless Steels | Sulphur | ASTM E 1086 |
| 115 | CHEMICAL- METALS & ALLOYS | Tool Steel | Carbon | RSML SOP/2 |
| 116 | CHEMICAL- METALS & ALLOYS | Tool Steel | Chromium | RSML SOP/2 |
| 117 | CHEMICAL- METALS & ALLOYS | Tool Steel | Cobalt | RSML SOP/2 |
| 118 | CHEMICAL- METALS & ALLOYS | Tool Steel | Manganese | RSML SOP/2 |
| 119 | CHEMICAL- METALS & ALLOYS | Tool Steel | Molybdenum | RSML SOP/2 |
| 120 | CHEMICAL- METALS & ALLOYS | Tool Steel | Nickel | RSML SOP/2 |
| 121 | CHEMICAL- METALS & ALLOYS | Tool Steel | Phosphorus | RSML SOP/2 |
| 122 | CHEMICAL- METALS & ALLOYS | Tool Steel | Silicon | RSML SOP/2 |
| 123 | CHEMICAL- METALS & ALLOYS | Tool Steel | Sulphur | RSML SOP/2 |
| 124 | CHEMICAL- METALS & ALLOYS | Tool Steel | Tungsten | RSML SOP/2 |
| 125 | CHEMICAL- METALS & ALLOYS | Tool Steel | Vanadium | RSML SOP/2 |
| 126 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Aluminium & Magnesium Alloys | Tensile Strength | ASTM B 557 |
| 127 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Carbon Steel Bolts, Screws, Studs | Breaking Load | IS:1367, PT 3 |
| 128 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Carbon Steel Nuts | Proof Load | IS:1367, PT 6 |
| 129 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Metal Powder Materials | Transverse Rupture Strength | ASTM B 528 |
| 130 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Metallic Materials | Bend | IS 1599 |

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|---|---|---|---|---|
| 131 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Brinell Hardness HBW 10mm/3000 Kgf | ASTM E 10 |
| 132 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Brinell Hardness HBW 10mm/3000 Kgf | IS 1500 (Part I) |
| 133 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Brinell Hardness HBW 2.5mm/187.5 Kgf | ASTM E 10 |
| 134 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Brinell Hardness HBW 2.5mm/187.5Kgf | IS 1500 (PT 1) |
| 135 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Compression Strength @ Room Temp | ASTM E 9 |
| 136 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Flattening Test for Tubes | IS 2328 |
| 137 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Micro Vickers Hardness HV 0.5 | ASTM E 384 |
| 138 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Micro Vickers Hardness HV0.2 | IS 1501 PT 1 |
| 139 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Micro Vickers Hardness HV0.5 | IS 1501 (PT 1) |
| 140 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Micro Vickers Hardness HV1.0 | ASTM E 384 |
| 141 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Micro Vickers Hardness HV1.0 | IS 1501 (Part 1) |
| 142 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Rockwell Hardness HRA | ASTM E 18 |
| 143 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Rockwell Hardness HRA | IS 1586 (Part 1) |
| 144 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Rockwell Hardness HRB | ASTM E 18 |

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|---|---|---|---|---|
| 145 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Rockwell Hardness HRB | IS 1586 (Part 1) |
| 146 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Rockwell Hardness HRC | ASTM E 18 |
| 147 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Rockwell Hardness HRC | IS 1586 (Part 1) |
| 148 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Vickers Hardness HV30 | ASTM E 92 |
| 149 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Vickers Hardness HV30 | IS 1501 (PT 1) |
| 150 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Vickers Hardness HV5 | ASTM E 92 |
| 151 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Materials | Vickers Hardness HV5 | IS 1501 (PT 1) |
| 152 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metals & Alloys | Charpy U Notch, Room Temp to -70 deg C | IS 1499 |
| 153 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metals & Alloys | Charpy V Notch, Room Temp to -70 deg C | IS 1757, Pt 1 |
| 154 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metals & Alloys | Izod Impact | IS 1598 |
| 155 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metals & Alloys, Weldments | % Elongation | IS 1608,PT 1 |
| 156 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metals & Alloys, Weldments | % Reduction in area | IS 1608, PT 1 |
| 157 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metals & Alloys, Weldments | 0.2% Proof Stress | IS 1608, PT 1 |
| 158 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Fasteners | Proof Load | ASTM A 370 |

# SCOPE OF ACCREDITATION

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|---|---|---|---|---|
| 159 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Products | Tensile Strength | ASTM A 370 |
| 160 | MECHANICAL-METALLOGRAPHY TEST | Austenitic Stainless Steels | Intergranular corrosion (IGC Practice E) | ASTM A 262 |
| 161 | MECHANICAL-METALLOGRAPHY TEST | Coated / Plated Materials | Coating thickness by Microscopic method | ASTM B 409 |
| 162 | MECHANICAL-METALLOGRAPHY TEST | Graphite in Cast Iron | Microstructure (Graphite in Cast Iron) | IS 7754 |
| 163 | MECHANICAL-METALLOGRAPHY TEST | Metal Alloys | Microstructure | ASM Handbook Vol 9 |
| 164 | MECHANICAL-METALLOGRAPHY TEST | Metallic Material | Grain Size (No.1 to 10) | ASTM E 112 |
| 165 | MECHANICAL-METALLOGRAPHY TEST | Metallic Materials | Grain Size (No.1 to 10) | IS 4748 |
| 166 | MECHANICAL-METALLOGRAPHY TEST | Metals & Alloys | Macro-etch Test | ASTM E 340 |
| 167 | MECHANICAL-METALLOGRAPHY TEST | Plated / Coated materials | Coating Thickness by Microscopic Method | IS 3203 |
| 168 | MECHANICAL-METALLOGRAPHY TEST | Steel Products | Macro-etch Test | ASTM E 381 |
| 169 | MECHANICAL-METALLOGRAPHY TEST | Steel Products | Macro-etch Test | IS 13015 |
| 170 | MECHANICAL-METALLOGRAPHY TEST | Steel Products | Macrostructure & Grain Flow | IS 11371 |
| 171 | MECHANICAL-METALLOGRAPHY TEST | Steel Products | Total Case Depth by Microscopy | IS 6416 |
| 172 | MECHANICAL-METALLOGRAPHY TEST | Steels | Decarburization Depth | ASTM E 1077 |
| 173 | MECHANICAL-METALLOGRAPHY TEST | Steels | Decarburization Depth | IS 6396 |
| 174 | MECHANICAL-METALLOGRAPHY TEST | Wrought Steel | Inclusion Rating of Steel | ASTM E 45 |
| 175 | MECHANICAL-METALLOGRAPHY TEST | Wrought Steel | Inclusion Rating of Steel ( Method A, B, C & D) | IS 4163 |
| 176 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Plastics | Hardness Shore D | ASTM D 2240 |

# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

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| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
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| **Validity** | 16/11/2022 to 15/11/2024 | **Last Amended on** | 26/01/2023 |

| 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 |
|---|---|---|---|---|
| 177 | MECHANICAL- PLASTICS AND PLASTIC PRODUCTS | Plastics | Shore Hardness D | IS 3400 Part 23 |
| 178 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber & Rubber Alloys | Hardness Shore A | ASTM D2240 |
| 179 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Rubber & Rubber products | Hardness Shore A | IS:3400 Part 23 |