



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

| | | | |
|-------------------------------|--|------------------------|---------|
| Laboratory Name : | CG METAL LAB LLP, 51, SHIVAM ESTATE, PHASE-II, GANDHINAGAR, GUJARAT, INDIA | | |
| Accreditation Standard | ISO/IEC 17025:2017 | | |
| Certificate Number | TC-5205 | Page No | 1 of 14 |
| Validity | 07/10/2024 to 26/02/2026 | 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 Testing | | | | |
| 1 | CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS | Hot Dip Aluminium-Zinc Alloy Metallic coated steel strip and sheet | Coating Adhesion Test | IS 15961 |
| 2 | CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS | Hot Dip Aluminium-Zinc Alloy Metallic coated steel strip and sheet | Mass of Metallic coating | IS 15961 |
| 3 | CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS | Zinc coated articles | Uniformity of Coating | IS 2633 |
| 4 | CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS | Zinc coated on Iron and steel articles | Mass of Zinc Coating | IS 6745 |
| 5 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Aluminium | ASTM E 415 |
| 6 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Aluminium | IS 8811 |
| 7 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Aluminum | JIS G 1253 |
| 8 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Arsenic | ASTM E 415 |
| 9 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Arsenic | IS 8811 |
| 10 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Boron | ASTM E 415 |
| 11 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Boron | IS 8811 |
| 12 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Carbon | ASTM E 415 |
| 13 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Carbon | IS 8811 |



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| 14 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Carbon | JIS G 1253 |
| 15 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Chromium | ASTM E 415 |
| 16 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Chromium | IS 8811 |
| 17 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Chromium | JIS G 1253 |
| 18 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Cobalt | ASTM E 415 |
| 19 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Cobalt | IS 8811 |
| 20 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Copper | ASTM E 415 |
| 21 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Copper | IS 8811 |
| 22 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Copper | JIS G 1253 |
| 23 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Manganese | ASTM E 415 |
| 24 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Manganese | IS 8811 |
| 25 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Manganese | JIS G 1253 |
| 26 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Molybdenum | ASTM E 415 |
| 27 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Molybdenum | IS 8811 |
| 28 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Molybdenum | JIS G 1253 |
| 29 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Nickel | ASTM E 415 |



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| 30 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Nickel | IS 8811 |
| 31 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Nickel | JIS G 1253 |
| 32 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Niobium | ASTM E 415 |
| 33 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Niobium | IS 8811 |
| 34 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Niobium | JIS G 1253 |
| 35 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Nitrogen | ASTM E 415 |
| 36 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Nitrogen | JIS G 1253 |
| 37 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Phosphorus | ASTM E 415 |
| 38 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Phosphorus | IS 8811 |
| 39 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Phosphorus | JIS G 1253 |
| 40 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Silicon | ASTM E 415 |
| 41 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Silicon | IS 8811 |
| 42 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Silicon | JIS G 1253 |
| 43 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Sulfur | ASTM E 415 |
| 44 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Sulfur | IS 8811 |
| 45 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Sulfur | JIS G 1253 |



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| 46 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Tin | ASTM E 415 |
| 47 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Tin | IS 8811 |
| 48 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Tin | JIS G 1253 |
| 49 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Titanium | ASTM E 415 |
| 50 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Titanium | IS 8811 |
| 51 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Titanium | JIS G 1253 |
| 52 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Tungsten | JIS G 1253 |
| 53 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Vanadium | ASTM E 415 |
| 54 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Vanadium | IS 8811 |
| 55 | CHEMICAL- METALS & ALLOYS | Alloy Steel | Vanadium | JIS G 1253 |
| 56 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Carbon | ASTM E 1086 |
| 57 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Carbon | IS 9879 |
| 58 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Carbon | JIS G 1253 |
| 59 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Chromium | ASTM E 1086 |
| 60 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Chromium | IS 9879 |
| 61 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Chromium | JIS G 1253 |



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| 62 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Copper | ASTM E 1086 |
| 63 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Copper | IS 9879 |
| 64 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Copper | JIS G 1253 |
| 65 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Manganese | ASTM E 1086 |
| 66 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Manganese | IS 9879 |
| 67 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Manganese | JIS G 1253 |
| 68 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Molybdenum | ASTM E 1086 |
| 69 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Molybdenum | IS9879 |
| 70 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Molybdenum | JIS G 1253 |
| 71 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Nickel | ASTM E 1086 |
| 72 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Nickel | IS 9879 |
| 73 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Nickel | JIS G 1253 |
| 74 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Niobium | JIS G 1253 |
| 75 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Nitrogen | JIS G 1253 |
| 76 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Phosphorus | ASTM E 1086 |
| 77 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Phosphorus | IS9879 |



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| 78 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Phosphorus | JIS G 1253 |
| 79 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Silicon | ASTM E 1086 |
| 80 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Silicon | IS 9879 |
| 81 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Silicon | JIS G 1253 |
| 82 | CHEMICAL- METALS & ALLOYS | Stainless steel | Sulphur | ASTM E 1086 |
| 83 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Sulphur | IS9879 |
| 84 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Sulphur | JIS G 1253 |
| 85 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Titanium | JIS G 1253 |
| 86 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Tungsten | JIS G 1253 |
| 87 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Bend Test (Mandrel Size: 1, 2, 3, 4, 8, 12, 16, 20, 24, 32, 40, 44, 70, 100 in mm) | ASME SA IX |
| 88 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Bend Test (Mandrel Size: 1, 2, 3, 4, 8, 12, 16, 20, 24, 32, 40, 44, 70, 100 in mm) | ASTM E 190 |
| 89 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Bend Test (Mandrel Size: 1, 2, 3, 4, 8, 12, 16, 20, 24, 32, 40, 44, 70, 100 in mm) | ASTM E 290 |
| 90 | MECHANICAL- MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Bend Test (Mandrel Size: 1, 2, 3, 4, 8, 12, 16, 20, 24, 32, 40, 44, 70, 100 in mm) | BS EN ISO 5173 |



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| 91 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Bend Test (Mandrel Size: 1, 2, 3, 4, 8, 12, 16, 20, 24, 32, 40, 44, 70, 100 in mm) | BS EN ISO 7438 |
| 92 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Bend Test (Mandrel Size: 1, 2, 3, 4, 8, 12, 16, 20, 24, 32, 40, 44, 70, 100 in mm) | IS 1599 |
| 93 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Brinell Hardness | ASTM E10 |
| 94 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Brinell Hardness | BS EN ISO 6506-1 |
| 95 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Brinell Hardness | IS 1500-1 |
| 96 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Elongation | ASTM E 8/8M |
| 97 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Elongation | IS 1608-1 |
| 98 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Elongation | ISO 6892-1 |
| 99 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Elongation | JIS Z 2241 |



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| 100 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Hardness | ASTM E 18 |
| 101 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Hardness | ASTM E 18 |
| 102 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Hardness | BS EN ISO 6508-1 |
| 103 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Hardness | BS EN ISO 6508-1 |
| 104 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Hardness Test | IS 1586 part1 |
| 105 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Hardness Test | IS 1586 part1 |
| 106 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Mertallic Materials | JIS Z 2241 |
| 107 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Reduction in Area | ASTM E 8/8M |
| 108 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Reduction in Area | BS EN ISO 5173 |



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| 109 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Reduction in Area | IS 1608-1 |
| 110 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Reduction in Area | ISO 6892-1 |
| 111 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Reduction in Area | JIS Z 2241 |
| 112 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Tensile Strength | ASME SA IX |
| 113 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Yield Strength / Proof Stress (0.2%, 1.0% & 0.5% EUL) | ASTM E 8/8M |
| 114 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Yield Strength / Proof Stress (0.2%, 1.0% & 0.5% EUL) | IS 1608-1 |
| 115 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Yield Strength / Proof Stress (0.2%, 1.0% & 0.5% EUL) | ISO 6892-1 |
| 116 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous / Non Ferrous metals and it's alloys | Yield Strength / Proof Stress (0.2%, 1.0% & 0.5% EUL) | JIS Z 2241 |
| 117 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous and Non-Ferrous Metals and alloys | Vickers Hardness | ASTM E 92 |



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| 118 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous and Non-Ferrous Metals and alloys | Vickers Hardness | IS 1501-1 |
| 119 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous and Non-Ferrous Metals and alloys | Vickers Hardness | ISO 6507-1 |
| 120 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous metals and it's alloys | Tensile Strength | API 1104 |
| 121 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Mertallic Materials | Tensile Strength | ASTM E 8/8M |
| 122 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Mertallic Materials | Tensile Strength | IS 1608-1 |
| 123 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Mertallic Materials | Tensile Strength | ISO 6892-1 |
| 124 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Material | Elongation | ISO 4136 |
| 125 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Material | Impact Testing | IS 1757-1 |
| 126 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Material | Reduction in Area | ISO 4136 |



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| 127 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Material | Tensile Test | ISO 4136 |
| 128 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Material (CS & SS Nuts) | Proof Load | ASTM A/SA 194 |
| 129 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Material (CS & SS Nuts) | Proof Load | IS 1367 (Part-6) |
| 130 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Material (CS, MS, SS.) | Impact Testing | ASTM E 23 |
| 131 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metallic Material (CS, MS, SS.) | Impact Testing | ISO 148-1 |
| 132 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Products | Bend Test (Mandrel Size: 1, 2, 3, 4, 8, 12, 16, 20, 24, 32, 40, 44, 70, 100 in mm) | ASTM A 370 |
| 133 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Products | Elongation | ASTM A370 |
| 134 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Products | Flange Test | ASTM A 370 |
| 135 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Products | Proof Load | ASTM A/SA 370 |



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| 136 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Products | Reduction in Area | ASTM A 370 |
| 137 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Products | Tensile Strength | ASTM A370 |
| 138 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Products | Yield Strength / Proof Stress (0.2%, 1.0% & 0.5% EUL) | ASTM A 370 |
| 139 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Products (Tubes and Pipes) | Flaring / Drift Expansion | ASTM A 370 |
| 140 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Products (Tubes and Pipes) | Flattening | ASTM A/SA 370 |
| 141 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Tubes and Pipes | Flanging Test | ISO 8494 |
| 142 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Tubes and Pipes | Flaring / Drift Expansion | ASTM A/SA 450 |
| 143 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Tubes and Pipes | Flaring / Drift Expansion | IS 2335 |
| 144 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Tubes and Pipes | Flaring / Drift Expansion | ISO 8493 |



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| 145 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Tubes and Pipes | Flattening | ASTM A/SA 450 |
| 146 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Tubes and Pipes | Flattening | IS 2328 |
| 147 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Tubes and Pipes | Flattening | ISO 8492 |
| 148 | MECHANICAL-METALLOGRAPHY TEST | Metallic Material | Macro Structure Examination | ASME SA IX |
| 149 | MECHANICAL-METALLOGRAPHY TEST | Metallic Material | Macro Structure Examination | ASTM E 340 |
| 150 | MECHANICAL-METALLOGRAPHY TEST | Metallic Material | Macro Structure Examination | BS EN ISO 17639 |
| 151 | MECHANICAL-METALLOGRAPHY TEST | Metallic Material | Micro-structure Examination | BS EN ISO 17639 |
| 152 | MECHANICAL-METALLOGRAPHY TEST | Metallic Material (Duplex Stainless Steel Tubes, Pipes, Bars.) | Determination of Intermetallic phase in Duplex Stainless steel Test Method A | ASTM A 923 |
| 153 | MECHANICAL-METALLOGRAPHY TEST | Metallic Material (SS, MS, CS, Tubes, Pipes, Sheets, Plates, casting test piece, Bars) | Grain Size Measurement | ASTM E 112 |
| 154 | MECHANICAL-METALLOGRAPHY TEST | Metallic Material (SS, MS, CS, Tubes, Pipes, Sheets, Plates, casting test piece, Bars) | Grain Size Measurement | IS 4748 |



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

| | | | |
|-------------------------------|--|------------------------|----------|
| Laboratory Name : | CG METAL LAB LLP, 51, SHIVAM ESTATE, PHASE-II, GANDHINAGAR, GUJARAT, INDIA | Page No | 14 of 14 |
| Accreditation Standard | ISO/IEC 17025:2017 | Last Amended on | - |
| Certificate Number | TC-5205 | | |
| Validity | 07/10/2024 to 26/02/2026 | | |

| 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 |
|------|-------------------------------|--|--|--|
| 155 | MECHANICAL-METALLOGRAPHY TEST | Metallic Material (SS, MS, CS, Tubes, Pipes, Sheets, Plates, casting test piece, Bars.) | Micro-structure Examination | ASM Vol. 9 |
| 156 | MECHANICAL-METALLOGRAPHY TEST | Metallic Material (Stainless steel tubes, pipes, sheet, plates, casting test piece, bars.) | IGC Method A | ISO 3651-2 |
| 157 | MECHANICAL-METALLOGRAPHY TEST | Metallic Material (Stainless steel tubes, pipes, sheet, plates, casting test piece, bars.) | IGC Method B | ISO 3651-2 |
| 158 | MECHANICAL-METALLOGRAPHY TEST | Metallic Material (Stainless steel tubes, pipes, sheet, plates, casting test piece, bars.) | IGC Method C | ISO 3651-2 |
| 159 | MECHANICAL-METALLOGRAPHY TEST | Metallic Material (Stainless steel tubes, pipes, sheet, plates, casting test piece, bars.) | IGC Practice A | ASTM A 262 |
| 160 | MECHANICAL-METALLOGRAPHY TEST | Metallic Material (Stainless steel tubes, pipes, sheet, plates, casting test piece, bars.) | IGC Practice B | ASTM A 262 |
| 161 | MECHANICAL-METALLOGRAPHY TEST | Metallic Material (Stainless steel tubes, pipes, sheet, plates, casting test piece, bars.) | IGC Practice C | ASTM A 262 |
| 162 | MECHANICAL-METALLOGRAPHY TEST | Metallic Material (Stainless steel tubes, pipes, sheet, plates, casting test piece, bars.) | IGC Practice E | ASTM A 262 |