# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** TESTING LABORATORIES, JINDAL STAINLESS LIMITED, CHEMICAL LAB, O.P. JINDAL MARG, HISAR, HARYANA, INDIA

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

**Certificate Number** TC-11636 **Page No** 1 of 13

**Validity** 11/05/2023 to 07/04/2024 **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 |
|---|---|---|---|---|
| LOCATION 1-CHEMICAL LAB, O.P. JINDAL MARG, HISAR, HARYANA, INDIA<br>Permanent Facility | | | | |
| 1 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | MOLYBDENUM | ASTM-E1086 |
| 2 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | ALUMINIUM | ASTM A751 |
| 3 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | BORON | ASTM A751 |
| 4 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | BORON | JIS G 1253 |
| 5 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | CARBON | ASTM-E1019 |
| 6 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | CARBON | JIS G 1253 |
| 7 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | CERIUM | ASTM A751 |
| 8 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | CERIUM | JIS G 1253 |
| 9 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | CHROMIUM | ASTM-E1086 |
| 10 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | CHROMIUM | JIS G 1253 |
| 11 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | COBALT | JIS G 1253 |
| 12 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | COPPER | ASTM-E1086 |
| 13 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | COPPER | JIS G 1253 |
| 14 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | LEAD | JIS G 1253 |
| 15 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | MANGANESE | JIS G 1253 |
| 16 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | NICKEL | ASTM A751 |
| 17 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | NICKEL | ASTM-E1086 |
| 18 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | NICKEL | JIS G 1253 |

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|---|---|---|---|---|
| 19 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | NIOBIUM | ASTM A751 |
| 20 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | NIOBIUM | JIS G 1253 |
| 21 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | NITROGEN | ASTM A751 |
| 22 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | NITROGEN | ASTM-E1019 |
| 23 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | NITROGEN | JIS G 1253 |
| 24 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | OXYGEN | ASTM-E1019 |
| 25 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | PHOSPHORUS | ASTM-E1086 |
| 26 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | PHOSPHORUS | JIS G 1253 |
| 27 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | SILICON | ASTM-E1086 |
| 28 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | SILICON | JIS G 1253 |
| 29 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | SULPHUR | ASTM-E1019 |
| 30 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | SULPHUR | ASTM-E1086 |
| 31 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | SULPHUR | JIS G 1253 |
| 32 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | TIN | JIS G 1253 |
| 33 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | TIN | ASTM A751 |
| 34 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | TITANIUM | JIS G 1253 |
| 35 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | TUNGSTEN | ASTM A751 |
| 36 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | TUNGSTEN | JIS G 1253 |
| 37 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | VANADIUM | ASTM A751 |

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|---|---|---|---|---|
| 38 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | VANADIUM | JIS G 1253 |
| 39 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | CHROMIUM | ASTM A751 |
| 40 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | LEAD | ASTM A751 |
| 41 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | PHOSPHORUS | ASTM A751 |
| 42 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | COBALT | ASTM A751 |
| 43 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | MANGANESE | ASTM A751 |
| 44 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | MOLYBDENUM | ASTM A751 |
| 45 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | CARBON | ASTM-E1086 |
| 46 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | MANGANESE | ASTM-E1086 |
| 47 | CHEMICAL- METALS & ALLOYS | Ferrous Material, Alloys &Products | MOLYBDENUM | JIS G 1253 |
| 48 | CHEMICAL- METALS & ALLOYS | Ferrous Material,Alloys &Products | COPPER | ASTM A751 |
| 49 | CHEMICAL- METALS & ALLOYS | Ferrous Material,Alloys &Products | SILICON | ASTM A751 |
| 50 | CHEMICAL- METALS & ALLOYS | Ferrous Material,Alloys &Products | SULPHUR | ASTM A751 |
| 51 | CHEMICAL- METALS & ALLOYS | Ferrous Material,Alloys &Products | TITANIUM | ASTM A751 |
| 52 | CHEMICAL- METALS & ALLOYS | Ferrous Material,Alloys &Products | CARBON | ASTM A751 |
| 53 | CHEMICAL- METALS & ALLOYS | Ferrous Material,Alloys &Products | ALUMINIUM | JIS G1253 |

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|---|---|---|---|---|
| LOCATION 2 - MECHANICAL AND METALLURGICAL TESTING LABORATORY(HRD), OP JINDAL MARG, HISAR, HARYANA, INDIA<br>Permanent Facility | | | | |
| 1 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Cladded steel Plate | Shear Strength | ASME SA 265 |
| 2 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Cladded steel Plate | Shear Strength | ASTM A-264 |
| 3 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Cladded steel Plate | Shear Strength | ASTM A-265 |
| 4 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Cladded steel Plate | Shear Strength | ASME SA 264 |
| 5 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | % Elongation at Elevated Temperature(100 DEG CELSIUS TO 700 DEGREE CELSIUS) | IS 1608-Part-2 |
| 6 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | % Elongation at Elevated Temperature(100 DEG CELSIUS TO 700 DEGREE CELSIUS) | ISO 6892-2 |
| 7 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | % Reduction area | ASTM E8 |
| 8 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Yield Strength at Elevated Temperature(100 DEG CELSIUS TO 700 DEGREE CELSIUS) | IS 1608-Part-2 |
| 9 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | % Elongation | ASTM A370 |
| 10 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | % Elongation | ASTM E8 |
| 11 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | % Elongation | IS 1608(Part-1) |
| 12 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | % Elongation at Elevated Temperature(100 DEG CELSIUS TO 700 DEGREE CELSIUS) | ASTM E21 |
| 13 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | % Reduction area | ASTM A370 |

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|---|---|---|---|---|
| 14 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | % Reduction area | IS 1608(Part-1) |
| 15 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | % Reduction area at Elevated Temperature(100 DEG CELSIUS TO 700 DEGREE CELSIUS) | IS 1608-Part-2 |
| 16 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | % Reduction area at Elevated Temperature(100 DEG CELSIUS TO 700 DEGREE CELSIUS) | ISO 6892-2 |
| 17 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | 0.2% proof stress /Yield strength | ASTM A370 |
| 18 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | 0.2% proof stress /Yield strength | ASTM E8 |
| 19 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | 0.2% proof stress /Yield strength | IS 1608(Part-1) |
| 20 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | 1% proof stress / Yield strength | ASTM E8 |
| 21 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | 1% proof stress / Yield strength | BS EN ISO 6892-1 |
| 22 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | 1% proof stress /Yield strength | DIN EN ISO 6892-1 |
| 23 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | 1% proof stress /Yield strength | IS 1608(Part-1) |
| 24 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Bend Test | ASTM A370 |
| 25 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Bend Test | ASTM E 290 |
| 26 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Bend Test | IS 1599 |
| 27 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Brinell Hardness | ASTM A370 |

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|---|---|---|---|---|
| 28 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Brinell Hardness | ASTM E10 |
| 29 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Brinell Hardness | ASTM E10 |
| 30 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Brinell Hardness | IS 1500(Part-1) |
| 31 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Brinell Hardness | IS 1500(Part-1) |
| 32 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Charpy impact test V Notch(At ambient temp. & up to -196deg. C) | ASTM A 370 |
| 33 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Charpy impact test V Notch(At ambient temp. & up to -196deg. C) | ASTM E 23 |
| 34 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Charpy impact test V Notch(At ambient temp. & up to -196deg. C) | IS 1757(Part-1) |
| 35 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Charpy impact test V Notch(At ambient temp. & up to -196deg. C) | ISO 148-1 |
| 36 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Re-bend Test | IS 16651 |
| 37 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Re-bend Test | IS 1786 |
| 38 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Rockwell Hardness Scale "B" | ASTM A 370 |
| 39 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Rockwell Hardness Scale "B" | ASTM E18 |
| 40 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Rockwell Hardness Scale "B" | IS: 1586(Part-1) |
| 41 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Rockwell Hardness Scale "C" | ASTM A 370 |

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| 42 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Rockwell Hardness Scale "C" | ASTM E18 |
| 43 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Rockwell Hardness Scale "C" | IS: 1586(Part-1) |
| 44 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Tensile Strength | ASTM A370 |
| 45 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Tensile Strength | ASTM E8 |
| 46 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Tensile Strength | IS 1608(Part-1) |
| 47 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Tensile Strength at Elevated Temperature(100 DEG CELSIUS TO 700 DEGREE CELSIUS) | ISO 6892-2 |
| 48 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Yield Strength at Elevated Temperature | ISO 6892-2 |
| 49 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material , Alloys & Products | Yield strength at Elevated Temperature(100 DEG CELSIUS TO 700 DEGREE CELSIUS) | ASTM E21 |
| 50 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | % Elongation | BS EN ISO 6892-1 |
| 51 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | % Elongation | DIN EN ISO 6892-1 |
| 52 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | % Reduction area | BS EN ISO 6892-1 |
| 53 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | % Reduction area | DIN EN ISO 6892-1 |
| 54 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | % Reduction area at Elevated Temperature(100 DEG CELSIUS TO 700 DEGREE CELSIUS) | ASTM E21 |
| 55 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | 0.2% proof stress / Yield strength | BS EN ISO 6892-1 |

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|---|---|---|---|---|
| 56 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | 0.2% proof stress / Yield strength | DIN EN ISO 6892-1 |
| 57 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Brinell Hardness | ASTM A370 |
| 58 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Brinell Hardness | BS EN ISO 6506-1 |
| 59 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Brinell Hardness | BS EN ISO 6506-1 |
| 60 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Brinell Hardness | DIN EN ISO 6506-1 |
| 61 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Brinell Hardness | DIN EN ISO 6506-1 |
| 62 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Charpy impact test V Notch (At ambient temp. & up to -196deg. C) | BS EN ISO 148-1 |
| 63 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Charpy impact test V Notch (At ambient temp. & up to -196deg. C) | DIN EN ISO 148-1 |
| 64 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Rockwell Hardness Scale "B" | BS EN ISO 6508-1 |
| 65 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Rockwell Hardness Scale "B" | DIN EN ISO 6508-1 |
| 66 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Rockwell Hardness Scale "C" | BS EN ISO 6508-1 |
| 67 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Rockwell Hardness Scale "C" | DIN EN ISO 6508-1 |
| 68 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Tensile Strength | BS EN ISO 6892-1 |
| 69 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Tensile Strength | DIN EN ISO 6892-1 |

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|---|---|---|---|---|
| 70 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | Tensile Strength at Elevated Temperature(100 DEG CELSIUS TO 700 DEGREE CELSIUS) | ASTM E21 |
| 71 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | Tensile Strength at Elevated Temperature(100 DEG CELSIUS TO 700 DEGREE CELSIUS) | IS 1608-Part-2 |
| 72 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material, Alloys & Products | 0.2% proof stress /Yield strength at Elevated Temperature(100 Degree Celsius to 700 Degree Celsius) | ASTM E21 |
| 73 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material, Alloys & Products | 0.2% proof stress /Yield strength at Elevated Temperature(100 Degree Celsius to 700 Degree Celsius) | IS 1608(Part-2) |
| 74 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material, Alloys & Products | 0.2% proof stress /Yield strength at Elevated Temperature(100 Degree Celsius to 700 Degree Celsius) | ISO 6892-2 |
| 75 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material, Alloys & Products | 1% proof stress /Yield strength | ASTM A370 |
| 76 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material, Alloys & Products | 1% proof stress /Yield strength at Elevated Temperature(100 Degree Celsius to 700 Degree Celsius) | ASTM E21 |
| 77 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material, Alloys & Products | 1% proof stress /Yield strength at Elevated Temperature(100 Degree Celsius to 700 Degree Celsius) | IS 1608-Part-2 |
| 78 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material, Alloys & Products | 1% proof stress /Yield strength at Elevated Temperature(100 Degree Celsius to 700 Degree Celsius) | ISO 6892-2 |
| 79 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material, Alloys & Products | Tensile Strength at Elevated Temperature(100 Degree Celsius to 700 Degree Celsius) | ASTM E21 |
| 80 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material, Alloys & Products | Tensile Strength at Elevated Temperature(100 Degree Celsius to 700 Degree Celsius) | IS 1608(Part-2) |
| 81 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material, Alloys & Products | Tensile Strength at Elevated Temperature(100 Degree Celsius to 700 Degree Celsius) | ISO 6892-2 |

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|---|---|---|---|---|
| 82 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material, Alloys & Products | Through-Thickness Tension Testing (% Reduction area) | ASME SA770 |
| 83 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material, Alloys & Products | Through-Thickness Tension Testing (% Reduction area) | ASTM A770 |
| 84 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Material , Alloys & Product | Determining Volume Fraction by Systematic Manual Point Count | ASTM E562 |
| 85 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Material , Alloys & Product | Detrimental Intermetallic Phase in Duplex Austenitic/Ferritic Stainless Steels (Method A & B) | ASTM A923 |
| 86 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Material , Alloys & Product | Estimation of grain size by Intercept Method | ASTM E-112 |
| 87 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Material , Alloys & Product | Estimation of grain size by Intercept Method | IS 4748 |
| 88 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Material , Alloys & Product | Estimation of grain size by Microscopic comparison method | IS 4748 |
| 89 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Material , Alloys & Product | Intergranular corrosion test as per Method A | ISO 3651-2 |
| 90 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Material , Alloys & Product | Intergranular corrosion test as per Method- B & C | ISO 3651-2 |
| 91 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Material , Alloys & Product | Intergranular test in Austenitic Stainless Steels (Practice A and practice E) | ASTM A 262 |
| 92 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Material , Alloys & Product | Intergranular testing Austenitic Stainless Steel (Practice A and practice E) | IS 10461(Part-2) |
| 93 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Material , Alloys & Product | Non metallic Inclusion Rating - Method A & E | IS 4163 |
| 94 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Material , Alloys & Product | Non metallic Inclusion Rating - Method A , D & E | ASTM E-45 |
| 95 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Material , Alloys & Products | Estimation of grain size by Microscopic comparison method | ASTM E-112 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** TESTING LABORATORIES, JINDAL STAINLESS LIMITED, CHEMICAL LAB, O.P. JINDAL MARG, HISAR, HARYANA, INDIA

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

**Certificate Number** TC-11636 **Page No** 11 of 13

**Validity** 11/05/2023 to 07/04/2024 **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 |
|---|---|---|---|---|
| LOCATION 3 - MECHANICAL TESTING LABORATORY(CRD), OP JINDAL MARG, HISAR, HARYANA, INDIA Permanent Facility | | | | |
| 1 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | 0.2% Proof stress / Yield strength | ASTM E8 |
| 2 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | 0.2% Proof stress / Yield strength | DIN EN ISO 6892-1 |
| 3 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | 0.2% Proof stress / Yield strength | IS 1608 (Part-1) |
| 4 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | 1% Proof stress / Yield strength | ASTM A 370 |
| 5 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | 1% Proof stress / Yield strength | ASTM E-8 |
| 6 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | 1% Proof stress / Yield strength | DIN EN ISO 6892-1 |
| 7 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | 1% Proof stress / Yield strength | IS 1608 (Part-1) |
| 8 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | Rockwell Hardness Scale-B | ASTM A 370 |
| 9 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | Rockwell Hardness Scale-B | IS 1586 (Part-1) |
| 10 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | Rockwell Hardness Scale-B | ASTM E-18 |
| 11 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | Rockwell Hardness Scale-C | ASTM A 370 |
| 12 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | Rockwell Hardness Scale-C | ASTM E-18 |
| 13 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | Rockwell Hardness Scale-C | IS 1586 (Part-1) |

# SCOPE OF ACCREDITATION

**Laboratory Name :** TESTING LABORATORIES, JINDAL STAINLESS LIMITED, CHEMICAL LAB, O.P. JINDAL MARG, HISAR, HARYANA, INDIA

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

**Certificate Number** TC-11636 **Page No** 12 of 13

**Validity** 11/05/2023 to 07/04/2024 **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 |
|---|---|---|---|---|
| 14 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | Tensile Strength | ASTM A 370 |
| 15 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | Tensile Strength | ASTM E-8 |
| 16 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | Tensile Strength | DIN EN ISO 6892-1 |
| 17 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | Tensile Strength | IS 1608 (Part-1) |
| 18 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Vicker Hardness 0.50 Kg | ASTM E 92 |
| 19 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Vicker Hardness 0.50 Kg | IS 1501 (Part-1) |
| 20 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Vicker Hardness 1.0 Kg | ASTM E-92 |
| 21 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Vicker Hardness 1.0 Kg | IS 1501 (Part-1) |
| 22 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Vicker Hardness 10.0 Kg | ASTM E-92 |
| 23 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Vicker Hardness 10.0 Kg | IS 1501 (Part-1) |
| 24 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Vicker Hardness 20.0 Kg | ASTM E-92 |
| 25 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Vicker Hardness 20.0 Kg | IS 1501 (Part-1) |
| 26 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Vicker Hardness 30.0 Kg | ASTM E-92 |
| 27 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Vicker Hardness 30.0 Kg | IS 1501 (Part-1) |

# SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | TESTING LABORATORIES, JINDAL STAINLESS LIMITED, CHEMICAL LAB, O.P. JINDAL MARG, HISAR, HARYANA, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-11636 | **Page No** | 13 of 13 |
| **Validity** | 11/05/2023 to 07/04/2024 | **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 |
|---|---|---|---|---|
| 28 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Vicker Hardness 5.0 Kg | ASTM E-92 |
| 29 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Material Alloys & Products | Vicker Hardness 5.0 Kg | IS 1501 (Part-1) |
| 30 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | % Elongation | ASTM A 370 |
| 31 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | % Elongation | ASTM E8 |
| 32 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | % Elongation | DIN EN ISO 6892-1 |
| 33 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | % Elongation | IS 1608 (Part-1) |
| 34 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material Alloys & Products | 0.2% Proof stress / Yield strength | ASTM A 370 |