# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** SOHM ANALYTICAL SERVICES (I) PVT.LTD., B-39, GROUND FLOOR, PLOT NO. J7, J8 & J9, KOHINOOR COMPLEX, MIDC TALOJA, NAVI MUMBAI PANVEL, RAIGAD, MAHARASHTRA, INDIA

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

**Certificate Number** TC-6651 **Page No** 1 of 19

**Validity** 18/12/2021 to 17/12/2023 **Last Amended on** 13/01/2022

| 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-B-39, GROUND FLOOR, PLOT NO. J7, J8 & J9, KOHINOOR COMPLEX, MIDC TALOJA, NAVI MUMBAI PANVEL, RAIGAD, MAHARASHTRA, INDIA Permanent Facility | | | | |
| 1 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Cladded steel Plate | Shear Test | ASTM A 263-12/ SA 263 |
| 2 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Cladded steel Plate | Shear Test | ASTM A 264-12 /SA 264 |
| 3 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Cladded steel Plate | Shear Test | ASTM A 265-12/ SA 265 |
| 4 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous & Nonferrous Material,Alloy Products | Hardness (HBW 10/3000) | ASTM E10 |
| 5 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous & Nonferrous Material, Alloy Products | 0.2% Proof Stress | ASTM A370-20/ASTM E8 |
| 6 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous & Nonferrous Material, Alloy Products | 1% Proof Stress | ASTM A370-20/ASTM E8 |
| 7 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous & Nonferrous Material, Alloy Products | 1% Proof Stress | ISO 6892-1 |
| 8 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous & Nonferrous Material, Alloy Products | Hardness Test (HBW10/3000) | IS 1500-1 |
| 9 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous & Nonferrous Material, Alloy Products | Reduction Area (%) | ASTM A370-20/ASTM E8 |
| 10 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous & Nonferrous Material, Alloy Products | Reduction Area (%) | ISO 6892-1 |
| 11 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous & Nonferrous Material, Alloy Products | Yield Strength | ASTM A370-20/ASTM E8 |
| 12 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous & Nonferrous Material, Alloy Products | Yield Strength | ISO 6892-1 |
| 13 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous & Nonferrous Material,Alloy Products | Hardness Test (HBW10/3000) | ISO 6506-1 |

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|---|---|---|---|---|
| 14 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Ultimate Tensile Strength | IS 1608( part 1) |
| 15 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | % Elongation, | IS 1608 (part 1) |
| 16 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | % R.A | IS 1608 (part 1) |
| 17 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | 0.2% Proof Stress | IS 1608 (part 1) |
| 18 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Yield Strength | IS 1608 (part 1) |
| 19 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | 1% Proof Stress | IS 1608 (part 1) |
| 20 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Brinell Hardness | IS 1500 (Part 1) |
| 21 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Rockwell C Scales | ASTM A370 |
| 22 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Rockwell C Scales | ASTM E18 |
| 23 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Rockwell C Scales | IS 1586 (Part 1) |
| 24 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Rockwell C Scales | ISO 6508-1 |
| 25 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Brinell Hardness | IS 1500 (Part 1) |
| 26 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Brinell Hardness | IS 1500 (Part 1) |
| 27 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Vickers | ASTM E92 / ASTM E384 |

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| 28 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | 0.2% Proof Stress | ISO 6892-1 |
| 29 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | 0.5% Proof Stress/EUL | ASTM A370 / ASTM E8 |
| 30 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | 0.5% Proof Stress/EUL | IS 1608-1 |
| 31 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | 0.5% Proof Stress/EUL | ISO 6892-1 |
| 32 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Brinell Hardness | ASTM E10 |
| 33 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Brinell Hardness | ISO 6506-1 |
| 34 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Elongation (%) | ISO 6892-1 |
| 35 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Rockwell B | ASTM A370 |
| 36 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Rockwell B Scales | ASTM E18 |
| 37 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Rockwell B Scales | IS 1586 (Part 1) |
| 38 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Rockwell B Scales | ISO 6508-1 |
| 39 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Vickers HV10 | IS 1501 (Part 1) |
| 40 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Vickers HV10 | ISO 6507 |
| 41 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Vickers HV30 | ASTM E92/ASTM E384 |

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| 42 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Vickers HV30 | IS 1501 (Part 1) |
| 43 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Vickers HV30 | ISO 6507-1 |
| 44 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Vickers HV5 | ASTM E92/E384 |
| 45 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Vickers HV5 | IS 1501 (Part 1) |
| 46 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys | Hardness Vickers HV5 | ISO 6507 |
| 47 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys (Weld) | Nick break Test | API 1104 |
| 48 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys (Weld) | Nick break Test | IBR RULE |
| 49 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys (Weld) | Nick break Test | IS 2825 |
| 50 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys (Weld) | Nick break Test | IS 3600 (Part 8) / IS 814 |
| 51 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys - Nuts | Proof Load | ASTM A194 |
| 52 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,Non Ferrous Metals & Alloys Tube / Pipe | Flaring Test/Drift Test | IS 2501 |
| 53 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous ,NonFerrous Metals & Alloys | Yield Stress | ASTM A 370:2020/ASTM E8 |
| 54 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys | Charpy ‘V’ notch Impact Test | ASTM A370 |
| 55 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys | Charpy ‘V’ notch Impact Test | ASTM A370 |

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| 56 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys | Charpy 'V' notch Impact Test | ASTM E23 |
| 57 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys | Charpy 'V' notch Impact Test | IS 1757 |
| 58 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys | Charpy 'V' notch Impact Test | BS EN ISO 148-1 |
| 59 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys | Charpy 'V' notch Impact Test | BS EN ISO 9016 |
| 60 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys | Charpy 'V' notch Impact Test | IBR RULE |
| 61 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys | Hardness Rockwell B Scales | ASTM A370 |
| 62 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys | Ultimate Tensile Strength | ISO 6892-1 |
| 63 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys - Nuts | Proof Load | IS 1367 (Part 6) |
| 64 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys - Nuts | Proof Load | ASTM A370 |
| 65 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys - Nuts | Proof Load | ASTM A370 |
| 66 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys - Nuts | Proof Load | ASTM A194 |
| 67 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys - Nuts | Proof Load | IS 1367 (Part 6) |
| 68 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys Bolt & Screws | Proof Load | ASTM A 370 |
| 69 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys Bolt & Screws | Proof Load | ASTM A 370 |

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| 70 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys Bolt & Screws | Proof Load | IS 1367-Part 3 |
| 71 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys Bolt & Screws | Proof Load | IS 1367-Part 3 |
| 72 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys Tube / Pipe | Flaring Test/Drift Test | ASTM A1016/1016M |
| 73 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys Tube / Pipe | Flaring Test/Drift Test | ASTM A1016/1016M |
| 74 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys Tube / Pipe | Flaring Test/Drift Test | ASTM A370 |
| 75 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys Tube / Pipe | Flaring Test/Drift Test | IS 2335 |
| 76 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous Metals & Alloys Tube / Pipe | Flaring Test/Drift Test | IS 2335 |
| 77 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous& Non ferrous metal and alloys | Hardness Test | ASTM E10 |
| 78 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous, Non Ferrous Metals & Alloys | Charpy ‘V’ notch Impact Test | BS EN ISO 148-1 |
| 79 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous, Non Ferrous Metals & Alloys | Charpy ‘V’ notch Impact Test | BS EN ISO 9016 |
| 80 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous, Non Ferrous Metals & Alloys | Charpy ‘V’ notch Impact Test | IBR RULE |
| 81 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous, Non Ferrous Metals & Alloys | Charpy ‘V’ notch Impact Test | ASTM E23 |
| 82 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous, Non Ferrous Metals & Alloys | Elongation (%) | ASTM A370-20/ASTM E-8 |
| 83 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous, Non Ferrous Metals & Alloys | Ultimate Tensile Strength | ASTM A370:2020/ASTM E8 |

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| 84 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | High Strength deformed bar for concrete reinforcement | Re-bendTest | IS 1786 |
| 85 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Metals and alloys (Tube to tube sheet Mock up) | Pull Out Test | ASME SEC.VIII DIV.1 |
| 86 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Non ferrous & Alloy Products | 0.5% Proof Stress/EUL | ASTM B557 |
| 87 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Non Ferrous Alloys & Products | Elongation (%) | ASTM B557 |
| 88 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Non Ferrous Alloys & Products | Ultimate Tensile Strength | ASTM B 557 |
| 89 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Non ferrous Material & Alloy Products | Yield Strength | ASTM B557 |
| 90 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Non Ferrous Metals & Alloys | 0.2% Proof Stress | ASTM B557 |
| 91 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Non Ferrous Metals & Alloys | Reduction Area (%) | ASTM B557 |
| 92 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Non Ferrous Metals & Alloys Tube / Pipe | Flaring Test/Drift Test | ASTM B153-11 |
| 93 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Non Ferrous Metals & Alloys Tube / Pipe | Flaring Test/Drift Test | ASTM B153-11 |
| 94 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Nonferrous Material, Alloy Products | 1% Proof Stess | ASTM B557 |
| 95 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Plates | Through Thickness Tensile (%R.A) | API SPEC 2H |
| 96 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Plates | Through Thickness Tensile (%R.A) | ASTM A770-03 |
| 97 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Plates | Through Thickness Tensile (%R.A) | BS EN 10164 |

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| 98 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Plates, Bars, Rods | Bend Test | ASTM A370 |
| 99 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Plates, Bars, Rods | Bend Test | ASTM E290 / ASTM E190 |
| 100 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Plates, Bars, Rods | Bend Test | IBR Rules |
| 101 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Plates, Bars, Rods | Bend Test | IS 1599 |
| 102 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Plates, Bars, Rods | Bend Test | IS 2329 |
| 103 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Tube / Pipe | Flattening Test | ASTM A999 |
| 104 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Tubes / Pipes | Bend Test | ASTM A370 |
| 105 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Tubes / Pipes | Bend Test | ASTM A530 |
| 106 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Tubes / Pipes | Bend Test | IS 2329 |
| 107 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Tubes / Pipes | Flattening Test | IS 2328 |
| 108 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Tubes / Pipes | Flattening Test | ASTM A1016 |
| 109 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Tubes / Pipes | Flattening Test | ASTM A370 |
| 110 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Tubes / Pipes | Reverse Flattening Test | A1016/1016M |
| 111 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Tubes / Pipes | Reverse Flattening Test | ASTM A370 |

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| 112 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Steel Tubes / Pipes | Reverse Flattening Test | ASTM A999 |
| 113 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Weld Metal | Tensile Test (Ultimate Tensile Strength) | IBR Rule |
| 114 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Weld Metal | Face Bend, Root Bend & Side Bend Test | API 1104 |
| 115 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Weld Metal | Face Bend, Root Bend & Side Bend Test | AWS D1.1 |
| 116 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Weld Metal | Face Bend, Root Bend & Side Bend Test | IBR Rules |
| 117 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Weld Metal | Face Bend, Root Bend & Side Bend Test | IS 2825 |
| 118 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Weld Metal | Tensile Test (Ultimate Tensile Strength) | API 1104 |
| 119 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Weld Metal | Tensile Test (Ultimate Tensile Strength) | AWS D1.1 |
| 120 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Weld Metal | Weld Metal Tensile Test (Ultimate Tensile Strength) | BS EN ISO 4136 |
| 121 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Weld Metal BS EN ISO 15614-1 | Tensile Test (Ultimate Tensile Strength) | BS EN ISO 15614-1 |
| 122 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Weld Metal | Face Bend, Root Bend & Side Bend Test | ASME SEC.IX |
| 123 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Weld Metal | Tensile Test (Ultimate Tensile Strength) | ASME SEC.IX |
| 124 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Weld Metal | Tensile Test (Ultimate Tensile Strength) | AWS D1.1 |
| 125 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Weld Metal | Tensile Test (Ultimate Tensile Strength) | IS 2825 |

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|---|---|---|---|---|
| 126 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Welded / Brazed Products | Fracture Test | ASME Sec. IX |
| 127 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Welded / Brazed Products | Peel Test | ASME Sec. IX |
| 128 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Welded / Brazed Products | Peel Test Fracture Test | ASME Sec. IX |
| 129 | MECHANICAL-METALLOGRAPHY TEST | Duplex Stainless Steel, Stainless Steel, Ferrous Metals and Its Alloys | Sulphide Stress Cracking & Stress Corrosion Cracking - Method A,B,C | NACE TM0177 |
| 130 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Metal & Alloys (Pipes & Pressure vessel Steels) | Hydrogen Induced Cracking | NACE TM 0284 |
| 131 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Metal & Alloys (Pipes & Pressure vessel Steels) | Hydrogen Induced Cracking | NACE TM 0284 |
| 132 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Metal & Alloys (Pipes & Pressure vessel Steels) | Hydrogen Induced Cracking | NACE TM 0284 |

# SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | SOHM ANALYTICAL SERVICES (I) PVT.LTD., B-39, GROUND FLOOR, PLOT NO. J7, J8 & J9, KOHINOOR COMPLEX, MIDC TALOJA, NAVI MUMBAI PANVEL, RAIGAD, MAHARASHTRA, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-6651 | **Page No** | 11 of 19 |
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| 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 2 - B-57/58, GROUND FLOOR, PLOT NO. J7, J8 & J9, KOHINOOR COMPLEX, MIDC TALOJA, NAVI MUMBAI PANVEL, RAIGAD, MAHARASHTRA, INDIA Permanent Facility | | | | |
| 1 | CHEMICAL- METALS & ALLOYS | Aluminium&Aluminium Alloy | Copper | ASTM E 1251 |
| 2 | CHEMICAL- METALS & ALLOYS | Aluminium&Aluminium Alloy | Magnesium | ASTM E 1251 |
| 3 | CHEMICAL- METALS & ALLOYS | Aluminium & Aluminium Alloy | Tin | ASTM E 1251 |
| 4 | CHEMICAL- METALS & ALLOYS | Aluminium & Aluminium Alloys | Bismuth | ASTM E 1251 |
| 5 | CHEMICAL- METALS & ALLOYS | Aluminium & Aluminium Alloys | Cobalt | ASTM E 1251 |
| 6 | CHEMICAL- METALS & ALLOYS | Aluminium & Aluminium Alloys | Iron | ASTM E 1251 |
| 7 | CHEMICAL- METALS & ALLOYS | Aluminium & Aluminium Alloys | Lead | ASTM E 1251 |
| 8 | CHEMICAL- METALS & ALLOYS | Aluminium & Aluminium Alloys | Nickel | ASTM E 1251 |
| 9 | CHEMICAL- METALS & ALLOYS | Aluminium & Aluminium Alloys | Silicon | ASTM E 1251 |
| 10 | CHEMICAL- METALS & ALLOYS | Aluminium & Aluminium Alloys | Titanium | ASTM E 1251 |
| 11 | CHEMICAL- METALS & ALLOYS | Aluminium & Aluminium Alloys | Zinc | ASTM E 1251 |
| 12 | CHEMICAL- METALS & ALLOYS | Aluminium&Aluminium Alloy | Manganese | ASTM E 1251 |
| 13 | CHEMICAL- METALS & ALLOYS | Aluminium&Aluminium Alloy | Vanadium | ASTM E 1251 |
| 14 | CHEMICAL- METALS & ALLOYS | Aluminum & Aluminum Alloys | Chromium | ASTM E 1251 |
| 15 | CHEMICAL- METALS & ALLOYS | Carbon Steel | Molybdenum | ASTM E 415 |
| 16 | CHEMICAL- METALS & ALLOYS | CARBON STEEL | Aluminium | ASTM E 415 |
| 17 | CHEMICAL- METALS & ALLOYS | Carbon Steel | Antimony | ASTM E 415 |
| 18 | CHEMICAL- METALS & ALLOYS | Carbon Steel | Arsenic | ASTM E 415 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** SOHM ANALYTICAL SERVICES (I) PVT.LTD., B-39, GROUND FLOOR, PLOT NO. J7, J8 & J9, KOHINOOR COMPLEX, MIDC TALOJA, NAVI MUMBAI PANVEL, RAIGAD, MAHARASHTRA, INDIA

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

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**Validity** 18/12/2021 to 17/12/2023 **Last Amended on** 13/01/2022

| 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 |
|---|---|---|---|---|
| 19 | CHEMICAL- METALS & ALLOYS | Carbon steel | Boron | ASTM E 415 |
| 20 | CHEMICAL- METALS & ALLOYS | Carbon Steel | Calcium | ASTM E 415 |
| 21 | CHEMICAL- METALS & ALLOYS | CARBON STEEL | Chromium | ASTM E 415 |
| 22 | CHEMICAL- METALS & ALLOYS | Carbon Steel | Cobalt | ASTM E 415 |
| 23 | CHEMICAL- METALS & ALLOYS | Carbon Steel | Nickel | ASTM E 415 |
| 24 | CHEMICAL- METALS & ALLOYS | Carbon Steel | Niobium | ASTM E 415 |
| 25 | CHEMICAL- METALS & ALLOYS | Carbon Steel | Nitrogen | ASTM E 415 |
| 26 | CHEMICAL- METALS & ALLOYS | Carbon Steel | Tin | ASTM E 415 |
| 27 | CHEMICAL- METALS & ALLOYS | Carbon Steel | Titanium | ASTM E 415 |
| 28 | CHEMICAL- METALS & ALLOYS | Carbon Steel | Vanadium | ASTM E 415 |
| 29 | CHEMICAL- METALS & ALLOYS | Carbon steel/ Alloy Steel | Sulphur | ASTM E 415 |
| 30 | CHEMICAL- METALS & ALLOYS | Carbon steel/ Alloy Steel | Aluminium | ASTM E 415 |
| 31 | CHEMICAL- METALS & ALLOYS | Carbon Steel/ Alloy Steel | Aluminium | IS 8811 |
| 32 | CHEMICAL- METALS & ALLOYS | Carbon Steel/ Alloy Steel | Arsenic | IS 8811 |
| 33 | CHEMICAL- METALS & ALLOYS | Carbon Steel/ Alloy Steel | Boron | IS 8811 |
| 34 | CHEMICAL- METALS & ALLOYS | Carbon steel/ Alloy Steel | carbon | ASTM E 415 |
| 35 | CHEMICAL- METALS & ALLOYS | Carbon Steel/ Alloy Steel | Carbon | IS 8811 |
| 36 | CHEMICAL- METALS & ALLOYS | Carbon steel/ Alloy Steel | Copper | ASTM E 415 |
| 37 | CHEMICAL- METALS & ALLOYS | Carbon Steel/ Alloy Steel | Nickel | IS 8811 |

# SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | SOHM ANALYTICAL SERVICES (I) PVT.LTD., B-39, GROUND FLOOR, PLOT NO. J7, J8 & J9, KOHINOOR COMPLEX, MIDC TALOJA, NAVI MUMBAI PANVEL, RAIGAD, MAHARASHTRA, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
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| 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 |
|---|---|---|---|---|
| 38 | CHEMICAL- METALS & ALLOYS | Carbon Steel/ Alloy Steel | Niobium | IS 8811 |
| 39 | CHEMICAL- METALS & ALLOYS | Carbon Steel/ Alloy Steel | Phosphorous | ASTM E 415 |
| 40 | CHEMICAL- METALS & ALLOYS | Carbon steel/ Alloy Steel | Silicon | ASTM E 415 |
| 41 | CHEMICAL- METALS & ALLOYS | Carbon Steel/ Alloy Steel | Tin | IS 8811 |
| 42 | CHEMICAL- METALS & ALLOYS | Carbon Steel/ Alloy Steel | Titanium | IS 8811 |
| 43 | CHEMICAL- METALS & ALLOYS | Carbon Steel/Alloy Steel | Chromium | IS 8811 |
| 44 | CHEMICAL- METALS & ALLOYS | Carbon Steel/Alloy Steel | Copper | IS 8811 |
| 45 | CHEMICAL- METALS & ALLOYS | Carbon Steel/Alloy Steel | Manganese | ASTM E 415 |
| 46 | CHEMICAL- METALS & ALLOYS | Carbon Steel/Alloy Steel | Molybdenum | IS 8811 |
| 47 | CHEMICAL- METALS & ALLOYS | Carbon Steel/Alloy Steel | Phosphorous | IS 8811 |
| 48 | CHEMICAL- METALS & ALLOYS | Carbon Steel/Alloy Steel | Silicon | IS 8811 |
| 49 | CHEMICAL- METALS & ALLOYS | Carbon Steel/Alloy Steel | Sulphur | IS 8811 |
| 50 | CHEMICAL- METALS & ALLOYS | Carbon Steel/Alloy Steel | Vanadium | IS 8811 |
| 51 | CHEMICAL- METALS & ALLOYS | Cast Iron | Carbon | ASTM E 1999 |
| 52 | CHEMICAL- METALS & ALLOYS | Cast iron | Chromium | ASTM E 1999 |
| 53 | CHEMICAL- METALS & ALLOYS | Cast Iron | Copper | ASTM E 1999 |
| 54 | CHEMICAL- METALS & ALLOYS | Cast Iron | Magnesium | ASTM E 1999 |
| 55 | CHEMICAL- METALS & ALLOYS | Cast Iron | Manganese | ASTM E 1999 |
| 56 | CHEMICAL- METALS & ALLOYS | Cast Iron | Molybdenum | ASTM E 1999 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** SOHM ANALYTICAL SERVICES (I) PVT.LTD., B-39, GROUND FLOOR, PLOT NO. J7, J8 & J9, KOHINOOR COMPLEX, MIDC TALOJA, NAVI MUMBAI PANVEL, RAIGAD, MAHARASHTRA, INDIA

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

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| 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 |
|---|---|---|---|---|
| 57 | CHEMICAL- METALS & ALLOYS | Cast Iron | Nickel | ASTM E 1999 |
| 58 | CHEMICAL- METALS & ALLOYS | Cast Iron | Phosphorous | ASTM E 1999 |
| 59 | CHEMICAL- METALS & ALLOYS | Cast Iron | Silicon | ASTM E 1999 |
| 60 | CHEMICAL- METALS & ALLOYS | Cast Iron | Sulphur | ASTM E 1999 |
| 61 | CHEMICAL- METALS & ALLOYS | Copper base & Alloys | Aluminium | BS EN 15079 |
| 62 | CHEMICAL- METALS & ALLOYS | Copper Base & Alloys | Antimony | BS EN 15079 |
| 63 | CHEMICAL- METALS & ALLOYS | Copper Base & Alloys | Arsenic | BS EN 15079 |
| 64 | CHEMICAL- METALS & ALLOYS | Copper Base & Alloys | Beryllium | BS EN 15079 |
| 65 | CHEMICAL- METALS & ALLOYS | Copper Base & Alloys | Bismuth | BS EN 15079 |
| 66 | CHEMICAL- METALS & ALLOYS | Copper Base & Alloys | Cadmium | BS EN 15079 |
| 67 | CHEMICAL- METALS & ALLOYS | Copper Base & Alloys | Carbon | BS EN 15079 |
| 68 | CHEMICAL- METALS & ALLOYS | Copper Base & alloys | Iron | BS EN 15079 |
| 69 | CHEMICAL- METALS & ALLOYS | Copper Base & Alloys | Lead | BS EN 15079 |
| 70 | CHEMICAL- METALS & ALLOYS | Copper Base & Alloys | Manganese | BS EN 15079 |
| 71 | CHEMICAL- METALS & ALLOYS | Copper Base & Alloys | Nickel | BS EN 15079 |
| 72 | CHEMICAL- METALS & ALLOYS | Copper Base & Alloys | Phosphorous | BS EN 15079 |
| 73 | CHEMICAL- METALS & ALLOYS | Copper Base & Alloys | Silicon | BS EN 15079 |
| 74 | CHEMICAL- METALS & ALLOYS | Copper Base & Alloys | Silver | BS EN 15079 |
| 75 | CHEMICAL- METALS & ALLOYS | Copper Base & Alloys | Sulphur | BS EN 15079 |

# SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | SOHM ANALYTICAL SERVICES (I) PVT.LTD., B-39, GROUND FLOOR, PLOT NO. J7, J8 & J9, KOHINOOR COMPLEX, MIDC TALOJA, NAVI MUMBAI PANVEL, RAIGAD, MAHARASHTRA, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
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| 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 |
|---|---|---|---|---|
| 76 | CHEMICAL- METALS & ALLOYS | Copper Base & Alloys | Tin | BS EN 15079 |
| 77 | CHEMICAL- METALS & ALLOYS | Copper Base & Alloys | Zinc | BS EN 15079 |
| 78 | CHEMICAL- METALS & ALLOYS | High Speed Tool Steel | Carbon | JIS G1253 |
| 79 | CHEMICAL- METALS & ALLOYS | High Speed Tool Steel | Chromium | JIS G1253 |
| 80 | CHEMICAL- METALS & ALLOYS | High Speed Tool Steel | Cobalt | JIS G1253 |
| 81 | CHEMICAL- METALS & ALLOYS | High Speed Tool Steel | Manganese | JIS G1253 |
| 82 | CHEMICAL- METALS & ALLOYS | HIgh Speed Tool Steel | Molybdenum | JIS G1253 |
| 83 | CHEMICAL- METALS & ALLOYS | High Speed Tool Steel | Phosphorous | JIS G1253 |
| 84 | CHEMICAL- METALS & ALLOYS | High Speed Tool Steel | Silicon | JIS G1253 |
| 85 | CHEMICAL- METALS & ALLOYS | High Speed Tool Steel | Sulphur | JIS G1253 |
| 86 | CHEMICAL- METALS & ALLOYS | High Speed Tool Steel | Tungsten | JIS G1253 |
| 87 | CHEMICAL- METALS & ALLOYS | High Speed Tool Steel | Vanadium | JIS G1253 |
| 88 | CHEMICAL- METALS & ALLOYS | Nickel Base & Alloys | Aluminium | ASTM E3047 |
| 89 | CHEMICAL- METALS & ALLOYS | Nickel Base & Alloys | Boron | ASTM E3047 |
| 90 | CHEMICAL- METALS & ALLOYS | Nickel Base & Alloys | Carbon | ASTM E3047 |
| 91 | CHEMICAL- METALS & ALLOYS | Nickel Base & Alloys | Chromium | ASTM E3047 |
| 92 | CHEMICAL- METALS & ALLOYS | Nickel base & Alloys | Cobalt | ASTM E3047 |
| 93 | CHEMICAL- METALS & ALLOYS | Nickel Base & Alloys | Copper | ASTM E3047 |
| 94 | CHEMICAL- METALS & ALLOYS | Nickel Base & Alloys | Iron | ASTM E3047 |

# SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | SOHM ANALYTICAL SERVICES (I) PVT.LTD., B-39, GROUND FLOOR, PLOT NO. J7, J8 & J9, KOHINOOR COMPLEX, MIDC TALOJA, NAVI MUMBAI PANVEL, RAIGAD, MAHARASHTRA, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
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| 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 |
|---|---|---|---|---|
| 95 | CHEMICAL- METALS & ALLOYS | Nickel Base & Alloys | Manganese | ASTM E3047 |
| 96 | CHEMICAL- METALS & ALLOYS | Nickel Base & Alloys | Molybdenum | ASTM E3047 |
| 97 | CHEMICAL- METALS & ALLOYS | Nickel Base & Alloys | Niobium | ASTM E3047 |
| 98 | CHEMICAL- METALS & ALLOYS | Nickel Base & Alloys | Phosphorous | ASTM E3047 |
| 99 | CHEMICAL- METALS & ALLOYS | Nickel Base & Alloys | Silicon | ASTM E3047 |
| 100 | CHEMICAL- METALS & ALLOYS | Nickel Base & Alloys | Sulphur | ASTM E3047 |
| 101 | CHEMICAL- METALS & ALLOYS | Nickel base & Alloys | Titanium | ASTM E3047 |
| 102 | CHEMICAL- METALS & ALLOYS | Nickel Base & Alloys | Tungsten | ASTM E3047 |
| 103 | CHEMICAL- METALS & ALLOYS | Nickel Base & Alloys | Vanadium | ASTM E3047 |
| 104 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Carbon | ASTM E 1086 |
| 105 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Carbon | IS 9879 |
| 106 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Chromium | ASTM E 1086 |
| 107 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Chromium | IS 9879 |
| 108 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Copper | IS 9879 |
| 109 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Manganese | ASTM E 1086 |
| 110 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Manganese | IS 9879 |
| 111 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Molybdenum | ASTM E 1086 |
| 112 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Molybdenum | IS 9879 |
| 113 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Nickel | ASTM E 1086 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** SOHM ANALYTICAL SERVICES (I) PVT.LTD., B-39, GROUND FLOOR, PLOT NO. J7, J8 & J9, KOHINOOR COMPLEX, MIDC TALOJA, NAVI MUMBAI PANVEL, RAIGAD, MAHARASHTRA, INDIA

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

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| 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 |
|---|---|---|---|---|
| 114 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Nickel | IS 9879 |
| 115 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Niobium | JIS G1253 |
| 116 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Nitrogen | IS 228 Part-23 |
| 117 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Phosphorous | ASTM E 1086 |
| 118 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Phosphorous | IS 9879 |
| 119 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Silicon | IS 9879 |
| 120 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Sulphur | ASTM E 1086 |
| 121 | CHEMICAL- METALS & ALLOYS | Stainless Steel | Titanium | JIS G1253 |
| 122 | MECHANICAL-METALLOGRAPHY TEST | Case Hardened Steels | Determination of case Depth, microscopic Method in steel. | IS 6416 |
| 123 | MECHANICAL-METALLOGRAPHY TEST | Ferrous ,Non Ferrous Metals, Alloys& Welded Joints | Macro Examination | ASTM E340 |
| 124 | MECHANICAL-METALLOGRAPHY TEST | Ferrous ,Non Ferrous Metals, Alloys& Welded Joints | Macro Examination | ASTM E381 |
| 125 | MECHANICAL-METALLOGRAPHY TEST | Ferrous ,Non Ferrous Metals, Alloys& Welded Joints | Macro Examination | BS EN ISO 17639 |
| 126 | MECHANICAL-METALLOGRAPHY TEST | Ferrous ,Non Ferrous Metals, Alloys& Welded Joints | Macro Examination | IS 1137 |
| 127 | MECHANICAL-METALLOGRAPHY TEST | Ferrous ,Non Ferrous Metals, Alloys& Welded Joints | Macro Examination | IS 11371 |
| 128 | MECHANICAL-METALLOGRAPHY TEST | Ferrous ,Non Ferrous Metals, Alloys& Welded Joints | Macro Examination | IS 11371 :1985 RA |
| 129 | MECHANICAL-METALLOGRAPHY TEST | Metallic / Non Metallic Coatings on ferrous, aluminum, copper base material | Thickness of Coating (Microscopic Method) | ASTM B487 |
| 130 | MECHANICAL-METALLOGRAPHY TEST | Austenitic Stainless Steel | IGC Practice A | ASTM A 262 |
| 131 | MECHANICAL-METALLOGRAPHY TEST | Austenitic Stainless Steel | IGC Practice C | ASTM A 262 |
| 132 | MECHANICAL-METALLOGRAPHY TEST | Austenitic Stainless Steel | IGC Practice E | ASTM A 262 |

# SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | SOHM ANALYTICAL SERVICES (I) PVT.LTD., B-39, GROUND FLOOR, PLOT NO. J7, J8 & J9, KOHINOOR COMPLEX, MIDC TALOJA, NAVI MUMBAI PANVEL, RAIGAD, MAHARASHTRA, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
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| 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 |
|---|---|---|---|---|
| 133 | MECHANICAL-METALLOGRAPHY TEST | Austenitic Stainless Steel | IGC Practice F | ASTM A 262 |
| 134 | MECHANICAL-METALLOGRAPHY TEST | Austenitic Stainless Steel | IGC Practice B | ASTM A 262 |
| 135 | MECHANICAL-METALLOGRAPHY TEST | Cast Iron Products | Cast Iron Products Microstructure of Graphite Cast iron Nodularity in SG ron | IS 7754 |
| 136 | MECHANICAL-METALLOGRAPHY TEST | Cast Iron Products | Microstructure of Graphite Cast iron Nodularity in SG ron | ASTM A247 |
| 137 | MECHANICAL-METALLOGRAPHY TEST | Duplex Stainless steel | Detection of Detrimental Intermetallic Phases Method A | ASTM A923 |
| 138 | MECHANICAL-METALLOGRAPHY TEST | Duplex Stainless steel | Detection of Detrimental Intermetallic Phases Method C | ASTM A923 |
| 139 | MECHANICAL-METALLOGRAPHY TEST | Ferritic, Austenitic and Duplex Stainless Steel | IGC Method A | ISO 3651 Part-2 |
| 140 | MECHANICAL-METALLOGRAPHY TEST | Ferritic, Austenitic and Duplex Stainless Steel | IGC Method C(Huey Test) | ISO 3651 (Part-1) |
| 141 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Metals & Alloys | Ferrite Content Test (By Metallography) Ferrite Content Test (Ferritescope method ) | ASTM A800 |
| 142 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Metals & Alloys | Ferrite Content Test (By Metallography) Ferrite Content Test (Ferritescope method ) | ASTM E-562 |
| 143 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Metals & Alloys 7.0+0.5410 | Ferrite Content Test (By Metallography) Ferrite Content Test (Ferritescope method ) | ASTM A800 |
| 144 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Metals & Alloys (Wrought Cast & Welded Stainless Steels) | Chloride Stress Corrosion Cracking Test in boiling MgCl2 / CaCl2 Solution | ASTM G36:1994 |
| 145 | MECHANICAL-METALLOGRAPHY TEST | Ferrous &Non Ferrous Alloys | Microstructure Examination, Average grain Size | ASM Handbook Volume 9 |
| 146 | MECHANICAL-METALLOGRAPHY TEST | Ferrous &Non Ferrous Alloys | Microstructure Examination, Average grain Size | ASM Handbook Volume 9 |
| 147 | MECHANICAL-METALLOGRAPHY TEST | Ferrous &Non Ferrous Alloys | Microstructure Examination, Average grain Size | ASTM E 407 |
| 148 | MECHANICAL-METALLOGRAPHY TEST | Ferrous &Non Ferrous Alloys | Microstructure Examination, Average grain Size | ASTM E112 (Comparison method) |
| 149 | MECHANICAL-METALLOGRAPHY TEST | Ferrous &Non Ferrous Alloys | Microstructure Examination, Average grain Size | ASTM E3 (2017) |

# SCOPE OF ACCREDITATION

**Laboratory Name :** SOHM ANALYTICAL SERVICES (I) PVT.LTD., B-39, GROUND FLOOR, PLOT NO. J7, J8 & J9, KOHINOOR COMPLEX, MIDC TALOJA, NAVI MUMBAI PANVEL, RAIGAD, MAHARASHTRA, INDIA

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|---|---|---|---|---|
| 150 | MECHANICAL-METALLOGRAPHY TEST | Ferrous &Non Ferrous Alloys | Microstructure Examination, Average grain Size | ASTM E3:2011 |
| 151 | MECHANICAL-METALLOGRAPHY TEST | Ferrous ,Non Ferrous Metals, Alloys& Welded Joints | Macro Examination | IS 11371 |
| 152 | MECHANICAL-METALLOGRAPHY TEST | Ferrous ,Non Ferrous Metals, Alloys& Welded Joints | Macro Examination | ASME Sec IX |
| 153 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Alloys | Inclusion Rating Method A & D | ASTM E45 |
| 154 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Alloys | Inclusion Rating Method A & D | IS 4163 |
| 155 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Metals & Alloys (Tubes & Tube Sheets) | Macro etch Test (Minimum Leak Path & Leg Length) | AWS D1.1 |
| 156 | MECHANICAL-METALLOGRAPHY TEST | Ferrous Metals & Alloys (Tubes & Tube Sheets) | Macro etch Test (Minimum Leak Path & Leg Length) | ASME Sec. IX |
| 157 | MECHANICAL-METALLOGRAPHY TEST | Nickel base and chromium bearing alloy | Critical pitting temperature test (Method C) | ASTM G48-11 |
| 158 | MECHANICAL-METALLOGRAPHY TEST | Nickel Rich Chromium Bearing Alloys | IGC - Method A | ASTM G28 |
| 159 | MECHANICAL-METALLOGRAPHY TEST | Stainless Steel and Related Alloys | Ferric Chloride crevice test (Method B) | ASTM G48-11 |
| 160 | MECHANICAL-METALLOGRAPHY TEST | Stainless Steel and Related Alloys | Ferric Chloride pitting test (Method A) | ASTM G48-11 |
| 161 | MECHANICAL-METALLOGRAPHY TEST | Steel Products | Determination of depth Of decarburized layer in Steel. | ASTM E1077-14 |