# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** METALLURGICAL TESTING SERVICES, NO.37/6, 3RD CROSS STREET, LAKSHMI NAGAR, PORUR, CHENNAI, TAMIL NADU, INDIA

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

**Certificate Number** TC-4010 **Page No** 1 of 1

**Validity** 14/07/2021 to 13/07/2023 **Last Amended on** 10/11/2022

| 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 |
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| Permanent Facility | | | | |
| 1 | MECHANICAL-METALLOGRAPHY TEST | Aluminium materials, alloys and products including welded products | Microstructure Examination | ASM Hand Book Volume 9 |
| 2 | MECHANICAL-METALLOGRAPHY TEST | Copper materials, alloys and products including welded products | Microstructure Examination | ASM Hand Book Volume 9 |
| 3 | MECHANICAL-METALLOGRAPHY TEST | Duplex Stainless Steel | Volume fraction of phase | ASTM E562 |
| 4 | MECHANICAL-METALLOGRAPHY TEST | Ferrous material, alloys & weld products | Macro Examination | ASTM E340 |
| 5 | MECHANICAL-METALLOGRAPHY TEST | Ferrous materials, alloys & products | Case depth | IS 6416 |
| 6 | MECHANICAL-METALLOGRAPHY TEST | Ferrous materials, alloys & products | Decarburized Depth | IS 6396 |
| 7 | MECHANICAL-METALLOGRAPHY TEST | Ferrous materials, alloys & products | Inclusion Rating | ASTM E45 |
| 8 | MECHANICAL-METALLOGRAPHY TEST | Ferrous materials, alloys & products | Inclusion Rating | IS 4163 |
| 9 | MECHANICAL-METALLOGRAPHY TEST | Ferrous materials, alloys & weld products | Grain size | ASTM E112 |
| 10 | MECHANICAL-METALLOGRAPHY TEST | Ferrous materials, alloys & weld products | Grain size | IS 4748 |
| 11 | MECHANICAL-METALLOGRAPHY TEST | Ferrous materials, alloys & weld products | Macro Examination | IS 11371 |
| 12 | MECHANICAL-METALLOGRAPHY TEST | Ferrous materials, alloys & weld products | Microstructure examination | ASM Handbook Volume 9 |
| 13 | MECHANICAL-METALLOGRAPHY TEST | Grey & SG Iron | Microstructure examination | IS 7754 |
| 14 | MECHANICAL-METALLOGRAPHY TEST | Nickel and Nickel alloy materials and products including welded products | Microstructure Examination | ASM Hand Book Volume 9 |
| 15 | MECHANICAL-METALLOGRAPHY TEST | Titanium and Titanium alloy materials and products including welded products | Microstructure Examination | ASM Hand Book Volume 9 |