# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NATESAN SYNCHROCONES PVT. LTD. LAB DIVISION, NO. 74, VADAKAL VILLAGE, KANCHIPURAM, TAMIL NADU, INDIA

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

**Certificate Number** TC-9966 **Page No** 1 of 3

**Validity** 11/10/2021 to 10/10/2023 **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 Facility | | | | |
| 1 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material alloys and products | Rockwell Hardness HRBW | ASTM E18 |
| 2 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material alloys and products | Rockwell Hardness HRBW | ISO 6508 PT-1 |
| 3 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous material alloys, products | Micro Vickers Hardness HV0.1 | ASTM E384 |
| 4 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials alloys and products | Micro Vickers Hardness HV0.2 | ASTM E384 |
| 5 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials alloys and products | Micro Vickers Hardness HV0.2 | ISO 6507 PT-1 |
| 6 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials alloys and products | Micro Vickers Hardness HV0.3 | IS1501 PT-1 |
| 7 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials alloys and products | Rockwell hardness HRBW | IS1586 PT-1 |
| 8 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Brinell Hardness HBW (2.5/187.5) | ASTM E10 |
| 9 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Brinell Hardness HBW (2.5/187.5) | IS1500 PT-1 |
| 10 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Brinell Hardness HBW (2.5/187.5) | ISO 6506 PT-1 |
| 11 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Case depth | IS 6416 |
| 12 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Micro Vickers Hardness HV0.1 | IS1501 PT-1 |
| 13 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Micro Vickers Hardness HV0.1 | ISO 6507 PT-1 |

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| 14 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Micro Vickers Hardness HV0.2 | IS1501 PT-2020 |
| 15 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Micro Vickers Hardness HV0.3 | ASTM E384 |
| 16 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Micro Vickers Hardness HV0.3 | ISO 6507 PT-1 |
| 17 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Micro Vickers Hardness HV0.5 | ASTM E384 |
| 18 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Micro Vickers Hardness HV0.5 | IS1501 PT-1 |
| 19 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Micro Vickers Hardness HV0.5 | ISO 6507 PT-1 |
| 20 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Micro Vickers hardness HV1 | ASTM E384 |
| 21 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Micro Vickers Hardness HV1 | IS1501 PT-1 |
| 22 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Micro Vickers Hardness HV1 | ISO 6507 PT-1 |
| 23 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Rockwell Hardness HR15N | ASTM E18 |
| 24 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Rockwell Hardness HR15N | IS1586 PT-1 |
| 25 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Rockwell Hardness HR15N | ISO 6508 PT-1 |
| 26 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Rockwell Hardness HRA | ASTM E18 |
| 27 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Rockwell Hardness HRA | IS 1586 PT-1 |

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| 28 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Rockwell Hardness HRA | ISO 6508 PT-1 |
| 29 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Rockwell Hardness HRC | ASTM E18 |
| 30 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Rockwell Hardness HRC | IS1586 PT-1 |
| 31 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Rockwell Hardness HRC | ISO 6508 PT-1 |
| 32 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Vickers Hardness HV10 | ASTM E92 |
| 33 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Vickers Hardness HV10 | IS1501 PT-1 |
| 34 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Vickers Hardness HV10 | ISO 6507 PT-1 |
| 35 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Vickers Hardness HV5 | ASTM E92 |
| 36 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Vickers Hardness HV5 | IS1501 PT-1 |
| 37 | MECHANICAL-MECHANICAL PROPERTIES OF METALS | Ferrous materials, alloys and products | Vickers Hardness HV5 | ISO 6507 PT-1 |
| 38 | MECHANICAL-METALLOGRAPHY TEST | Ferrous materials, alloys and products | Apparent Grain Size (Comparison method) | ASTM E112 |
| 39 | MECHANICAL-METALLOGRAPHY TEST | Ferrous materials, alloys and products | Microstructure | ASM Metals Handbook Volume 9 |