# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** TESTING LABORATORY, SUNDARAM INDUSTRIES PRIVATE LIMITED, NO. 6 , USILAMPATTI ROAD, MADURAI, TAMIL NADU, INDIA

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

**Certificate Number** TC-6827 **Page No** 1 of 2

**Validity** 20/02/2022 to 19/02/2024 **Last Amended on** 17/03/2022

| 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 |
|---|---|---|---|---|
| Permanent Facility | | | | |
| 1 | CHEMICAL- INDUSTRIAL & FINE CHEMICALS | Carbon Black | DBP Oil absorption | ASTM D 2414 |
| 2 | CHEMICAL- INDUSTRIAL & FINE CHEMICALS | Carbon black | Pour Density | ASTM D 1513 |
| 3 | CHEMICAL- INDUSTRIAL & FINE CHEMICALS | Rubber Chemicals | Melting Range & Clear Melting Point | ASTM-D-1519 (Method A Capillary Tube Method) |
| 4 | CHEMICAL- INDUSTRIAL & FINE CHEMICALS | Rubber Processing Chemicals | pH value | ASTM D 6739 |
| 5 | CHEMICAL- LUBRICANTS | Oil | Viscosity Saybolt | ASTM D 88 |
| 6 | CHEMICAL- LUBRICANTS | Rubber Processing Chemicals Petroleum Oil | Specific Gravity by Hydrometer | ASTM D 1298 |
| 7 | CHEMICAL- RUBBER & RUBBER PRODUCTS | Oil | Viscosity - Red Wood | ASTM D 88 |
| 8 | CHEMICAL- RUBBER & RUBBER PRODUCTS | Rubber Compounding Materials | Volatile Matter | ASTM D 4571 |
| 9 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Moulded Rubber compounds | Ozone resistance Test | ASTM D 1171 (Method A) |
| 10 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Natural rubber | Abrasion Resistance -Abrasion loss | ASTM D 5963 (Method B - Clause 12.1) |
| 11 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Natural rubber | Compression set | ASTM D 395 (Test method B) |
| 12 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Natural Rubber | micro IRHD | ASTM D 1415 |
| 13 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Natural Rubber | Resistance to Ageing (Air ageing) Tensile strength | ASTM D 573 |
| 14 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Natural Rubber | Rubber Hardness Test | ASTM D 2240 |
| 15 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Natural Rubber | Stress at 100% elongation | ASTM D 412 (Method A) |
| 16 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Natural Rubber | Tear strength Type - C | ASTM D 624 |
| 17 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Rubber Product | Resistance to Air Ageing - Elongation | ASTM D 573 |
| 18 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Rubber Product | Resistance to Oil Ageing - Tensile Strength | ASTM D 471 |
| 19 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Synthetic Rubber | Abrasion Resistance - Abrasion Loss | ASTM D 5963 (Method B, Clause 12.1) |

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| 20 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Synthetic rubber | Compression Set | ASTM D 395 (Test method B) |
| 21 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Synthetic Rubber | Elongation | ASTM D 412 (Method A) |
| 22 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Synthetic Rubber | micro IRHD | ASTM D 1415 |
| 23 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Synthetic Rubber | Resistance to Air Ageing - Tensile Strength | ASTM D 573 |
| 24 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Synthetic Rubber | Rubber Hardness Test | ASTM D 2240 |
| 25 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Synthetic Rubber | Stress at specified elongation | ASTM D 412 (Method A) |
| 26 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Synthetic Rubber | Tear Strength - Type - C | ASTM D 624 |
| 27 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanised Synthetic Rubber | Tensile Test - Tensile Load | ASTM D 412 (Method A) |
| 28 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized Natural Rubber | Elongation | ASTM D 412 (Method A) |
| 29 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized Natural rubber | Tensile test: : Tensile Load | ASTM D 412 (Method A) |
| 30 | MECHANICAL- RUBBER AND RUBBER PRODUCTS | Vulcanized Rubber Products | Resistance to Ageing ( Oil Ageing ) Elongation | ASTM D 471 |