National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SAKTHI AUTO COMPONENT LIMITED, MUKASI PALLAGOUNDEN PALAYAM, UTHUKULI TALUK, TIRUPUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5394 **Page No** 1 of 2

Validity 12/04/2022 to 11/04/2024 **Last Amended on** 21/07/2022

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- METALS & ALLOYS	Cast Iron (Grey iron & S.G Iron)	Carbon	ASTM E 1999
2	CHEMICAL- METALS & ALLOYS	Cast Iron (Grey iron & S.G Iron)	Carbon	ASTM 1019
3	CHEMICAL- METALS & ALLOYS	Cast Iron (Grey iron & S.G Iron)	Chromium	ASTM E 1999
4	CHEMICAL- METALS & ALLOYS	Cast Iron (Grey iron & S.G Iron)	Copper	ASTM E 1999
5	CHEMICAL- METALS & ALLOYS	Cast Iron (Grey iron & S.G Iron)	Magnesium	ASTM E 1999
6	CHEMICAL- METALS & ALLOYS	Cast Iron (Grey iron & S.G Iron)	Manganese	ASTM E 1999
7	CHEMICAL- METALS & ALLOYS	Cast Iron (Grey iron & S.G Iron)	Phosphorus	ASTM E 1999
8	CHEMICAL- METALS & ALLOYS	Cast Iron (Grey iron & S.G Iron)	Silicon	ASTM E 1999
9	CHEMICAL- METALS & ALLOYS	Cast Iron (Grey iron & S.G Iron)	Sulphur	ASTM E 1999
10	CHEMICAL- METALS & ALLOYS	Cast Iron (Grey iron & S.G Iron)	Sulphur	ASTM 1019
11	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products. Cast Iron,(Grey iron & S.G Iron)	Tensile Strength	ISO 6892 Part 1
12	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products. Cast Iron,(Grey iron & S.G Iron)	Brinell Hardness Test	IS 1500 Part 1
13	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material Alloy and Products Cast iron (Grey iron and S.G iron)	0.2 % Proof Stress	ISO 6892 PART 1
14	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material Alloy and Products Cast iron (Grey iron and S.G iron)	Elongation	ISO 6892 PART 1
15	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hardness Test - Ferrous Materials, Alloys & Products. Cast Iron,(Grey iron & S.G Iron)	Brinell Hardness Test	ASTM E10
16	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hardness Test - Ferrous Materials, Alloys & Products. Cast Iron,(Grey iron & S.G Iron)	Brinell Hardness Test	ASTM E10

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17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hardness Test - Ferrous Materials, Alloys & Products. Cast Iron,(Grey iron & S.G Iron)	Brinell Hardness Test	IS 1500 PART 1
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hardness Test - Ferrous Materials, Alloys & Products. Cast Iron,(Grey iron & S.G Iron)	Rockwell Hardness Test	ASTM E18
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hardness Test - Ferrous Materials, Alloys & Products. Cast Iron,(Grey iron & S.G Iron)	Rockwell Hardness Test	ASTM E18
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hardness Test - Ferrous Materials, Alloys & Products. Cast Iron,(Grey iron & S.G Iron)	Rockwell Hardness Test	IS1586 PART 1
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hardness Test - Ferrous Materials, Alloys & Products. Cast Iron,(Grey iron & S.G Iron)	Rockwell Hardness Test	IS1586 PART 1
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tensile Test - Ferrous Materials, Alloys & Products. Cast Iron,(Grey iron & S.G Iron)	0.2% Proof Stress	ASTM E8/E8M
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tensile Test - Ferrous Materials, Alloys & Products. Cast Iron,(Grey iron & S.G Iron)	Elongation	ASTM E8/E8M
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tensile Test - Ferrous Materials, Alloys & Products. Cast Iron,(Grey iron & S.G Iron)	Tensile Strength	ASTM E8 / E8M
25	MECHANICAL-METALLOGRAPHY TEST	Ferrous material alloy and products Cast iron (Grey iron& S.G iron)	Micro structure of Graphite (Designation)	IS 7754 (RA2018)
26	MECHANICAL-METALLOGRAPHY TEST	Ferrous material alloy and products Cast iron (Grey iron& S.G iron)	Micro structure of graphite(Designation)	ASTM A 247
27	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys & Products. Cast Iron,(Grey iron & S.G Iron)	Micro Structure	ASM Metal Hand Book Volume 9