National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GHATGE PATIL INDUSTRIES LIMITED (TESTING LABORATORY), UCHAGAON, KOLHAPUR, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11104 **Page No** 1 of 4

Validity 31/10/2022 to 30/10/2024 **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
LOCATION 1-UCHAGAON, KOLHAPUR, MAHARASHTRA, INDIA Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E 1999
2	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E 1999
3	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphours	ASTM E 1999
4	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E 1999
5	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E 1999
6	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E 1999
7	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E 1999
8	CHEMICAL- METALS & ALLOYS	Low Alloy and Carbon Steel	Copper	ASTM E 415
9	CHEMICAL- METALS & ALLOYS	Low Alloy and Carbon Steel	Maganese	ASTM E 415
10	CHEMICAL- METALS & ALLOYS	Low Alloy and Carbon Steel	Molybdenum	ASTM E 415
11	CHEMICAL- METALS & ALLOYS	Low Alloy and Carbon Steel	Silicon	ASTM E 415
12	CHEMICAL- METALS & ALLOYS	Low Alloy and Carbon Steel	Sulphur	ASTM E 415
13	CHEMICAL- METALS & ALLOYS	Low Alloy and Carbon Steel	Carbon	ASTM E 415
14	CHEMICAL- METALS & ALLOYS	Low Alloy and Carbon Steel	Chromium	ASTM E 415
15	CHEMICAL- METALS & ALLOYS	Low Alloy and Carbon Steel	Nickel	ASTM E 415
16	CHEMICAL- METALS & ALLOYS	Low Alloy and Carbon Steel	Phosphorus	ASTM E 415
17	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E 1086
18	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 1086

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19	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E 1086
20	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 1086
21	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E 1086
22	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086
23	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E 1086
24	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E 1086
25	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1086
26	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Charpy Impact V notch (Temperature: -75 °C to 45 °C)	ASTM E 23
27	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Hardness by Vickers Hardness (HV1)	ASTM E 92
28	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Hardness by Brinell Method (HBW 10/3000)	ASTM E 10
29	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Hardness by Brinell Method (HBW 5/750)	ASTM E 10
30	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Hardness by Rockwell Hardness (HRBW)	ASTM E 18
31	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Hardness by Rockwell Hardness (HRC)	ASTM E 18
32	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Tensile Test (Elongation) Load - 400 kN	ASTM E8/E8M
33	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Tensile Test (Reduction area) Load - 400 kN	ASTM E8/E8M

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34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Tensile Test (Ultimate tensile Strength) Load - 400 kN	ASTM E8/E8M
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Tensile Test (Yield Stress: 0.1% to 1% Proof Stress) Load - 400 kN	ASTM E8/E8M
36	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys and Products	Determination of Depth of Decarburization (Magnification: 100 X to 1000 X)	ASTM E 1077
37	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys and Products (Cast Iron)	Distribution of Graphite Type and Size by Comparison Method	ASTM A 247
38	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys and Products (Stainless Steel and Steel)	Estimation of Average Grain Size by Comparison Method (Microscope)	ASTM E 112
39	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials, Alloys and Products (Wrought Steel)	Determination Inclusion Rating by Method A to D	ASTM E 45

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LOCATION 2 - PLOT NO. D-2, KAGAL - HATKANANGALE, FIVE STAR INDUSTRIAL AREA, VILLAGE - TALANDGE, TALUKA - HATKANANGALE, KOLHAPUR, KOLHAPUR, MAHARASHTRA, INDIA Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E 1999
2	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E 1999
3	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E 1999
4	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E 1999
5	CHEMICAL- METALS & ALLOYS	Cast Iron	Maganese	ASTM E 1999
6	CHEMICAL- METALS & ALLOYS	Cast Iron	Magnesium	ASTM E 1999
7	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E 1999
8	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E 1999
9	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Hardness by Brinell Method (HBW 10/3000)	ASTM E 10
10	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Hardness by Brinell Method (HBW 5/750)	ASTM E 10
11	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Tensile Test (Elongation) Load - 400 kN	ASTM E8/E8M
12	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Tensile Test (Reduction area) Load - 400 kN	ASTM E8/E8M
13	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Tensile Test (Ultimate Tensile Strength) Load 400 - kN	ASTM E8/E8M
14	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys and Products	Tensile Test (Yield Stress 0.1% to 1% Proof Stress) Load - 400 kN	ASTM E8/E8M
15	MECHANICAL- METALLOGRAPHY TEST	Ferrous Materials, Alloys and Products	Distribution of Graphite Type and Size by Comparison Method	ASTM A 247