National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, GOOD LUCK ENGINEERING CO., KHASRA NO. 2839, GRAM DHOOM, MANIKPUR, G.T. ROAD, DADRI, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 26/04/2023 to 25/04/2025 **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	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Carbon (C)	IS 9879
2	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Chromium (Cr)	IS 9879
3	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Copper (Cu)	IS 9879
4	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Manganese (Mn)	IS 9879
5	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Molybdenum (Mo)	IS 9879
6	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Nickel (Ni)	IS 9879
7	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Phosphorous (P)	IS 9879
8	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Silicon (Si)	IS 9879
9	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Sulfur (S)	IS 9879
10	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel and its Alloys	Carbon (C)	ASTM E 1086
11	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel and its Alloys	Chromium (Cr)	ASTM E 1086
12	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel and its Alloys	Copper (Cu)	ASTM E 1086
13	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel and its Alloys	Manganese (Mn)	ASTM E 1086
14	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel and its Alloys	Molybdenum (Mo)	ASTM E 1086
15	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel and its Alloys	Nickel (Ni)	ASTM E 1086
16	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel and its Alloys	Phosphorous (P)	ASTM E 1086
17	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel and its Alloys	Silicon (Si)	ASTM E 1086
18	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel and its Alloys	Sulfur (S)	ASTM E 1086

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19	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Aluminum (Al)	ASTM E 415
20	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Aluminum (Al)	IS 8811
21	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Boron (B)	ASTM E 415
22	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Boron (B)	IS 8811
23	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Carbon (C)	ASTM E 415
24	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Carbon (C)	IS 8811
25	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Chromium (Cr)	ASTM E 415
26	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Chromium (Cr)	IS 8811
27	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Cobalt (Co)	ASTM E 415
28	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Cobalt (Co)	IS 8811
29	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Copper (Cu)	ASTM E 415
30	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Copper (Cu)	IS 8811
31	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Lead (Pb)	ASTM E 415
32	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Lead (Pb)	IS 8811
33	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Manganese (Mn)	ASTM E 415
34	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Manganese (Mn)	IS 8811
35	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Molybdenum (Mo)	ASTM E 415
36	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Molybdenum (Mo)	IS 8811
37	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Nickel (Ni)	ASTM E 415

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38	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Nickel (Ni)	IS 8811
39	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Niobium (Nb)	ASTM E 415
40	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Niobium (Nb)	IS 8811
41	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Phosphorous (P)	ASTM E 415
42	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Phosphorous (P)	IS 8811
43	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Silicon (Si)	ASTM E 415
44	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Silicon (Si)	IS 8811
45	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Sulfur (S)	ASTM E 415
46	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Sulfur (S)	IS 8811
47	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Tin (Sn)	ASTM E 415
48	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Tin (Sn)	IS 8811
49	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Titanium (Ti)	ASTM E 415
50	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Titanium (Ti)	IS 8811
51	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Tungsten (W)	ASTM E 415
52	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Tungsten (W)	IS 8811
53	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Vanadium (V)	ASTM E 415
54	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Vanadium (V)	IS 8811
55	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Components (Austenitic Stainless Steel)	Corrosion Test (IGC Test Method 'E')	ASTM A 262

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56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Material and components	Hardness Test (Brinell Hardness Test)	ASTM E-10
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Hardness Test (Brinell Hardness Test)	ASTM A 370
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Hardness Test (Rockwell Hardness Test in HRC)	IS 1586 (Part-1)
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Hardness Test (Rockwell Hardness Test)	ASTM A 370
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Hardness Test (Rockwell Hardness Test)	ASTM A 370
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Hardness Test (Rockwell Hardness Test)	IS 1586 (Part-1)
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Hardness Test (Rockwell Hardness Test)	ISO 6508-1
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Hardness Test (Rockwell Hardness Test)	ISO 6508-1
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Impact Test (Charpy Impact Test from Temp RT to -196 deg C)	ASTM A 370
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Impact Test (Charpy Impact Test from Temp RT to -196 deg C)	ASTM E 23
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Impact Test (Charpy Impact Test from Temp RT to -196 deg C)	IS 1757 Part-1
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Tensile Test - (% Elongation)	ASTM A 370
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Tensile Test - (% Elongation)	IS 1608 part1
69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Tensile Test - (% Elongation)	ISO 6892

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70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Tensile Test - (% Reduction in Area)	IS 1608-part1
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Tensile Test - (% Reduction in Area)	ISO 6892
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Tensile Test (% Reduction in Area)	ASTM E 8
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Tensile Test (Ultimate Tensile Strength, MPa)	ASTM A370
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Tensile Test (Ultimate Tensile Strength, MPa)	ASTM E8
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Tensile Test (Ultimate Tensile Strength, MPa)	IS 1608 part1
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Tensile Test (Ultimate Tensile Strength, MPa)	ISO 6892
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Tensile Test (% Elongation)	ASTM E 8
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Tensile Test (% Reduction in Area)	ASTM A 370
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Tensile Test -Yield stress (0.2 & 1 % Proof Stress)	ASTM A370
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Tensile Test -Yield stress (0.2 & 1 % Proof Stress)	IS 1608 part1
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Tensile Test -Yield stress (0.2 & 1 % Proof Stress)	ISO 6892-
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components	Tensile Test -Yield stress in MPa (0.2 & 1 % Proof Stress)	ASTM E8
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components.	Hardness Test (Brinell Hardness Test)	ISO 6506-1

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84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components.	Hardness Test (Rockwell Hardness Test)	ASTM E 18
85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components.	Hardness Test (Rockwell Hardness Test)	ASTM E 18
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material & Components.	Impact Test (Charpy Impact Test from Temp RT to -196 deg C)	ISO 148-1
87	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Material and components	Grain Size Measurement by Comparison Method	ASTM E 112
88	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Material and Components	Microstructure Examination	ASM Handbook Vol.9 Metallography & Microstructure
89	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Material and components	Non Metallic Inclusion Rating by Method A	ASTM E 45
90	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Material and Components	Non Metallic Inclusion Rating by Method A	IS 4163