National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, LAXCON STEELS LIMITED, PLOT NO 235, SARKHEJ-BAVLA , NH 8A, VILLAGE SARI, TALUKA SANAND, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 06/06/2021 to 05/06/2023 **Last Amended on** 21/09/2021

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	Carbon	ASTM E1086
2	CHEMICAL- METALS & ALLOYS	Austenitic	Chromium	ASTM E1086
3	CHEMICAL- METALS & ALLOYS	Austenitic	Manganese	ASTM E1086
4	CHEMICAL- METALS & ALLOYS	Austenitic	Nickel	ASTM E1086
5	CHEMICAL- METALS & ALLOYS	Austenitic	Phosphorus	ASTM E1086
6	CHEMICAL- METALS & ALLOYS	Austenitic	Silicon	ASTM E1086
7	CHEMICAL- METALS & ALLOYS	Austenitic	Sulfur	ASTM E1086
8	CHEMICAL- METALS & ALLOYS	Austenitic	Copper	ASTM E1086
9	CHEMICAL- METALS & ALLOYS	Austenitic	Molybdenum	ASTM E1086
10	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic	Chromium	IS 9879
11	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic	Copper	IS 9879
12	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic	Manganese	IS 9879
13	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic	Molybdenum	IS 9879
14	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic	Nickel	IS 9879
15	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic	Phosphorus	IS 9879
16	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic	Silicon	IS 9879
17	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic	Sulfur	IS 9879
18	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Zirconium	ASTM A751

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19	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Aluminum	ASTM A751
20	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Boron	ASTM A751
21	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Calcium	ASTM A751
22	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Carbon	ASTM A751
23	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Chromium	ASTM A751
24	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Cobalt	ASTM A751
25	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Copper	ASTM A751
26	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Lead	ASTM A751
27	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Manganese	ASTM A751
28	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Molybdenum	ASTM A751
29	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Nickel	ASTM A751
30	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Niobium	ASTM A751
31	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Nitrogen	ASTM A751
32	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Nitrogen	ASTM E-1019
33	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Oxygen	ASTM E-1019
34	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Phosphorus	ASTM A751
35	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Silicon	ASTM A751
36	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Sulfur	ASTM A751
37	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Tantalum	ASTM A751

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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
38	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Tin	ASTM A751
39	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Titanium	ASTM A751
40	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic	Vanadium	ASTM A751
41	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic/ Martensitic,	Hydrogen	ASTM E-1019
42	CHEMICAL- METALS & ALLOYS	Austenitic/ Ferritic	Carbon	IS 9879
43	CHEMICAL- METALS & ALLOYS	Ferritic/ Martensitic	Tungsten	ASTM A751
44	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminum	ASTM A751
45	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminum	ASTM E415
46	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Antimony	ASTM E415
47	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Arsenic	ASTM E415
48	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Boron	ASTM A751
49	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Boron	ASTM E415
50	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Calcium	ASTM A751
51	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Calcium	ASTM E415
52	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	ASTM A751
53	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	ASTM E415
54	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	ASTM A751
55	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	ASTM E415
56	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Cobalt	ASTM A751

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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
57	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Cobalt	ASTM E415
58	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Columbium	ASTM A751
59	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	ASTM A751
60	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	ASTM E415
61	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Hydrogen	ASTM E-1019
62	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Lead	ASTM A751
63	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	ASTM A751
64	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	ASTM E415
65	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	ASTM A751
66	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	ASTM E415
67	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	ASTM A751
68	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	ASTM E415
69	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium	ASTM E415
70	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nitrogen	ASTM A751
71	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nitrogen	ASTM E-1019
72	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nitrogen	ASTM E415
73	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Oxygen	ASTM E-1019
74	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	ASTM A751
75	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	ASTM E415

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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
76	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	ASTM A751
77	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	ASTM E415
78	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulfur	ASTM A751
79	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulfur	ASTM E415
80	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tin	ASTM A751
81	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tin	ASTM E415
82	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium	ASTM A751
83	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium	ASTM E415
84	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tungsten	ASTM A751
85	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	ASTM A751
86	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	ASTM E415
87	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	Brinell Hardness Test (10mm Ball/ 3000 kgf)	ASTM E 10
88	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	% Elongation	ASTM A370
89	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	% Elongation	ASTM E 8 /E8M
90	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	% Elongation	BS EN ISO 6892 (Part 1)
91	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	% Elongation	IS 1608 (Part-1)
92	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	% Reduction in Area	ASTM A370

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93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	% Reduction in Area	ASTM E 8 /E8M
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	% Reduction in Area	BS EN ISO 6892 (Part 1)
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	% Reduction in Area	IS 1608 (Part-1)
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	0.2% Proof Stress	ASTM A370
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	0.2% Proof Stress	ASTM E 8 /E8M
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	0.2% Proof Stress	BS EN ISO 6892 (Part 1)
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	0.2% Proof Stress	IS 1608 (Part-1)
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	1.0% Proof Stress	ASTM A 370
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	1.0% Proof Stress	ASTM E 8 /E8M
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	1.0% Proof Stress	BS EN ISO 6892 (Part 1)
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	1.0% Proof Stress	IS 1608 (Part-1)
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	Brinell Hardness Test (10mm Ball/ 3000 kgf)	DIN EN ISO 6506-1
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	Brinell Hardness Test (10mm Ball/ 3000 kgf)	IS 1500 (Part-1)
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	Charpy Impact Test (U-notch) Room Temperature to -196°C	IS 1499

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107	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	Charpy Impact Test (V notch and U-notch) Room Temperature to -196°C	IS 1757(Part-1)
108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	Izod Impact Test	IS 1598 (RA2015)
109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	Rockwell Hardness Test	ASTM E18
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	Rockwell Hardness Test	ASTM E18
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	Rockwell Hardness Test	DIN EN ISO 6508-1
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	Rockwell Hardness Test	DIN EN ISO 6508-1
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	Rockwell Hardness Test	IS 1586 (Part-1)
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	Rockwell Hardness Test	IS 1586 (Part-1)
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	Ultimate Tensile Strength	ASTM A370
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	Ultimate Tensile Strength	ASTM E 8 /E8M
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	Ultimate Tensile Strength	BS EN ISO 6892 (Part 1)
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material & Products	Ultimate Tensile Strength	IS 1608 (Part-1)
119	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material & Products	Grain Size	ASTM E112
120	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material & Products	Inclusion Rating	ASTM E 45 (Method A, D & E)

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121	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material & Products	Inclusion Rating	IS 4163 (Method A)
122	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals (Solid Forging / Rolled Product)	Ultrasonic Test	ASTM A 388/A388 M
123	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals (Solid Forging / Rolled Product)	Ultrasonic Test	ASTM A-745/A745 M
124	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metals (Solid Forging / Rolled Product)	Ultrasonic Test	BS EN 10308