National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY SAARLOHA ADVANCED MATERIALS PVT. LTD., MUNDHWA, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5130 **Page No** 1 of 10

Validity 20/09/2022 to 19/09/2024 **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
Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Bismuth	ASTM E1251
2	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Chromium	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Copper	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Iron	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Lead	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Magnesium	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Manganese	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Nickel	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Silicon	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Strontium	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Titanium	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Zinc	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Aluminum	ASTM E 415
14	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Aluminum	IS 8811
15	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Arsenic	IS 8811
16	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Arsenic	ASTM E 415
17	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Boron	ASTM E 415
18	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Boron	IS 8811

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY SAARLOHA ADVANCED MATERIALS PVT. LTD., MUNDHWA, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5130 **Page No** 2 of 10

Validity 20/09/2022 to 19/09/2024 **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
19	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Calcium	ASTM E 415
20	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Carbon	ASTM E 1019
21	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Carbon	ASTM E 415
22	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Carbon	IS 8811
23	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Chromium	ASTM E 415
24	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Chromium	IS 8811
25	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Cobalt	ASTM E 415
26	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Cobalt	IS 8811
27	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Copper	ASTM E 415
28	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Copper	IS 8811
29	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Hydrogen	IS:228 (part-22)
30	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Manganese	ASTM E 415
31	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Manganese	IS 8811
32	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Molybdenum	ASTM E 415
33	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Molybdenum	IS 8811
34	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Nickel	ASTM E 415
35	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Nickel	IS 8811
36	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Niobium	ASTM E 415
37	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Niobium	IS 8811

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY SAARLOHA ADVANCED MATERIALS PVT. LTD., MUNDHWA, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5130 **Page No** 3 of 10

Validity 20/09/2022 to 19/09/2024 **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
38	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Nitrogen	ASTM E 1019
39	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Nitrogen	ASTM E 415
40	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Nitrogen	ASTM E 1019
41	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Oxygen	ASTM E 1019
42	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Phosphorus	ASTM E 415
43	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Phosphorus	IS 8811
44	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Silicon	ASTM E 415
45	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Silicon	IS 8811
46	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Sulphur	ASTM E 1019
47	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Sulphur	ASTM E 415
48	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Sulphur	IS 8811
49	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Tin	ASTM E 415
50	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Tin	IS 8811
51	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Titanium	ASTM E 415
52	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Titanium	IS 8811
53	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Vanadium	ASTM E 415
54	CHEMICAL- METALS & ALLOYS	Carbon & Low alloy Steel	Vanadium	IS 8811
55	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminum	ASTM E 415
56	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminum	IS 8811

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY SAARLOHA ADVANCED MATERIALS PVT. LTD., MUNDHWA, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5130 **Page No** 4 of 10

Validity 20/09/2022 to 19/09/2024 **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
57	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Arsenic	ASTM E 415
58	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Arsenic	IS 8811
59	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Boron	ASTM E 415
60	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Boron	IS 8811
61	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Calcium	ASTM E 415
62	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	ASTM E 1019
63	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	ASTM E 415
64	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	IS 8811
65	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	ASTM E 415
66	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	IS 8811
67	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Cobalt	ASTM E 415
68	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Cobalt	IS 8811
69	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	ASTM E 415
70	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	IS 8811
71	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Hydrogen	IS:228(part-22)
72	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	ASTM E 415
73	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Mangnese	IS 8811
74	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	ASTM E 415
75	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	IS 8811

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY SAARLOHA ADVANCED MATERIALS PVT. LTD., MUNDHWA, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5130 **Page No** 5 of 10

Validity 20/09/2022 to 19/09/2024 **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
76	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	ASTM E 415
77	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	IS 8811
78	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium	ASTM E 415
79	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium	IS 8811
80	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nitrogen	ASTM E 1019
81	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nitrogen	ASTM E 415
82	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Oxygen	ASTM E 1019
83	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	ASTM E 415
84	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	IS 8811
85	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	ASTM E 415
86	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	IS 8811
87	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	ASTM E 1019
88	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	ASTM E 415
89	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	IS 8811
90	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tin	ASTM E 415
91	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tin	IS 8811
92	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium	ASTM E 415
93	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium	IS 8811
94	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	ASTM E 415

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY SAARLOHA ADVANCED MATERIALS PVT. LTD., MUNDHWA, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5130 **Page No** 6 of 10

Validity 20/09/2022 to 19/09/2024 **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
95	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	IS 8811
96	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E 1019
97	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E 1086
98	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
99	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E 1086
100	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
101	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	IS 9879
102	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E 1086
103	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
104	CHEMICAL- METALS & ALLOYS	Stainless Steel	Hydrogen	IS: 228 (part-22)
105	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E 1086
106	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
107	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E 1086
108	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
109	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 1086
110	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
111	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	ASTM E 1019
112	CHEMICAL- METALS & ALLOYS	Stainless Steel	Oxygen	ASTM E 1019
113	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E 1086

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY SAARLOHA ADVANCED MATERIALS PVT. LTD., MUNDHWA, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5130 **Page No** 7 of 10

Validity 20/09/2022 to 19/09/2024 **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
114	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
115	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086
116	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
117	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E 1019
118	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E 1086
119	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
120	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Hydrogen	ASTM E 1447
121	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Elongation	IS 1608 (Part 1)
122	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Elongation	ASTM E-8
123	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Elongation	ISO 6892 Part-I
124	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	% Elongation	JIS Z2241
125	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Reduction Area	ASTM E8
126	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Reduction Area	IS 1608 (Part 1)
127	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Reduction Area	ISO 6892 Part-I
128	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Reduction Area	JIS Z224

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY SAARLOHA ADVANCED MATERIALS PVT. LTD., MUNDHWA, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5130 **Page No** 8 of 10

Validity 20/09/2022 to 19/09/2024 **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
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness (3000Kg/10mmball)	ASTME10
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness (3000Kg/10mm ball)	IS 1500
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness (3000Kg/10mmball)	JIS Z2243
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Brinell Hardness (3000Kg/10mmball)	ISO 6506 Part -1
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact @ room temp. & sub-zero temp. up to -60°C.	IS 1757 Part 1
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact @ room temp. & sub-zero temp. up to -60 ° C	JIS Z2242
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact @ room temp. & sub-zero temp. up to -60Â°C	ISO 148 Part 1
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Charpy Impact U-notch @ room temp. & sub-zero temp (-60°C)	IS 1499
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Hardenability	ASTM A 255
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Hardenability	IS 3848
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Hardenability	ISO 642
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Hardenability	JIS G0561
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Izod Impact test @ room temp	IS 1598
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness on "C " Scale	ASTM E18

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5130 **Page No** 9 of 10

Validity 20/09/2022 to 19/09/2024 **Last Amended on** -

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143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength (U.T.S)	ASTM E-8
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength (U.T.S)	IS 1608 Part -1
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength (U.T.S)	ISO 6892 Part-1
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength (U.T.S)	JIS Z2241
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength / Proof Strength (0.2%-0.6%)	ASTM E-8
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength / Proof Strength (0.2%-0.6%)	IS 1608 (Part 1)
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength / Proof Strength (0.2%-0.6%)	ISO 6892
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength / Proof Strength (0.2%-0.6%)	JIS Z2241
151	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Inclusion Rating	ASTM E-45 (Method A, D, E)
152	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Decarburization (microscopic method)	ISO 3887
153	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Decarburization (microscopic method)	JIS G0558
154	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Decarburization (microscopic method)	SAE J419
155	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Decarburization (microscopic method)	SAE J419
156	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Grain size	ASTM E 112
157	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Grain size	EN ISO 643
158	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Grain size	IS 4748

SCOPE OF ACCREDITATION

Laboratory Name :	TESTING LABORATORY SAARLOHA ADVANCED MATERIALS PVT. LTD., MUNDHWA, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5130	**Page No**	10 of 10
Validity	20/09/2022 to 19/09/2024	**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
159	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Grain Size	JIS G 0551
160	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Macro Etch Test	ASTM E340
161	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Macro Etch Test	ASTM E381
162	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Macro Etch Test	JIS G0553
163	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Macro Etch Test	IS 13015
164	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Measuring Decarburized Depth of Steel by (microscopic method)	IS 6396
165	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Micro Inclusion Rating	IS 4163 (Method A)
166	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Micro Inclusion Rating	ISO 4967 (Method A)
167	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Micro Inclusion Rating	JIS G0555