National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : IXAR MATERIAL TESTING LABORATORY, C-18/85, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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
Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Aluminum	ASTM E 415
2	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Aluminum	IS 8811
3	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Aluminum	JIS G 1253
4	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Carbon	ASTM E-415
5	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Carbon	IS 8811
6	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Carbon	JIS G 1253
7	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Chromium	ASTM E 415
8	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Chromium	IS 8811
9	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Chromium	JIS G 1253
10	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Cobalt	ASTM E 415
11	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Cobalt	IS 8811
12	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Cobalt	JIS G 1253
13	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Copper	ASTM E 415
14	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Copper	IS 8811
15	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Copper	JIS G 1253
16	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Manganese	ASTM E 415
17	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Manganese	IS 8811
18	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Manganese	JIS G 1253

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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
19	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Molybdenum	ASTM E 415
20	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Molybdenum	IS 8811
21	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Molybdenum	JIS G 1253
22	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Nickel	ASTM E 415
23	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Nickel	IS 8811
24	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Nickel	JIS G 1253
25	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Niobium	ASTM E 415
26	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Niobium	IS 8811
27	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Niobium	JIS G 1253
28	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Nitrogen	ASTM E 415
29	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Nitrogen	IS 8811
30	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Nitrogen	JIS G 1253
31	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Phosphorus	ASTM E 415
32	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Phosphorus	IS 8811
33	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Phosphorus	JIS G 1253
34	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Silicon	ASTM E-415
35	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Silicon	IS 8811
36	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Silicon	JIS G 1253
37	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Sulphur	ASTM E 415

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38	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Sulphur	IS 8811
39	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Sulphur	JIS G 1253
40	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Vanadium	ASTM E 415
41	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Vanadium	IS 8811
42	CHEMICAL- METALS & ALLOYS	Carbon and Low Alloy Steel	Vanadium	JIS G 1253
43	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Aluminum	BS EN 15079
44	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Arsenic	BS EN 15079
45	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Iron	BS EN 15079
46	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Lead	BS EN 15079
47	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Manganese	BS EN 15079
48	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Nickel	BS EN 15079
49	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Phosphorus	BS EN 15079
50	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Silicon	BS EN 15079
51	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Sulphur	BS EN 15079
52	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Tin	BS EN 15079
53	CHEMICAL- METALS & ALLOYS	Copper and its Alloys	Zinc	BS EN 15079
54	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Chromium	ASTM E 1476
55	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Cobalt	ASTM E 1476
56	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Copper	ASTM E 1476

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57	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Manganese	ASTM E 1476
58	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Molybdenum	ASTM E1476
59	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Nickel	ASTM E 1476
60	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Niobium	ASTM E1476
61	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Titanium	ASTM E1476
62	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Tungsten	ASTM E1476
63	CHEMICAL- METALS & ALLOYS	Nickel and its Alloys	Aluminum	ASTM E 3047
64	CHEMICAL- METALS & ALLOYS	Nickel and its Alloys	Carbon	ASTM E 3047
65	CHEMICAL- METALS & ALLOYS	Nickel and its Alloys	Cobalt	ASTM E 3047
66	CHEMICAL- METALS & ALLOYS	Nickel and its Alloys	Copper	ASTM E 3047
67	CHEMICAL- METALS & ALLOYS	Nickel and its Alloys	Iron	ASTM E 3047
68	CHEMICAL- METALS & ALLOYS	Nickel and its Alloys	Manganese	ASTM E 3047
69	CHEMICAL- METALS & ALLOYS	Nickel and its Alloys	Silicon	ASTM E 3047
70	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E 1086
71	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
72	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	JIS G 1253
73	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	ASTM E 1086
74	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	IS 9879
75	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	JIS G 1253

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76	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	JIS G 1253
77	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E-1086
78	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
79	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	JIS G 1253
80	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E-1086
81	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
82	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	JIS G 1253
83	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E 1086
84	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
85	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	JIS G 1253
86	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	ASTM E-1086
87	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
88	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	JIS G 1253
89	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	IS 228 (Part-23)
90	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	JIS G 1253
91	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E-1086
92	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
93	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	JIS G 1253
94	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E-1086

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95	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
96	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	JIS G 1253
97	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E-1086
98	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
99	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	JIS G 1253
100	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	JIS G 1253
101	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bar	Rebend Test	IS 1786
102	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	ISO 6892-1
103	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Proof Stress	ASTM E8/E8M
104	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Proof Stress	IBR 1950
105	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Proof Stress	IS 1608-Part 1
106	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Proof Stress	ISO 6892-1
107	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	ASTM E 290
108	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	IS 1599
109	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	ISO 7438

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110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness (10/3000Kgf)	ASTM E 10
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness (10/3000Kgf)	IS 1500 (Part-1)
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness (10/3000Kgf)	ISO 6506 (Part-1)
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Flaring (Tubes & Pipes)	IS 2335
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Flaring (Tubes & Pipes)	ISO 8493
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Flattening test (Tubes & Pipes)	IS 2328
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Flattening test (Tubes & Pipes)	ISO 8492
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Impact Test Charpy (V-Notch) at Room Temp & up to -196 degree C	ASTM E 23
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Impact Test Charpy (V-Notch) at Room Temp & up to -196 degree C	IS 1757 (Part-1)
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Impact Test Charpy (V-Notch) at Room Temp & up to -196 degree C	ISO 148 (Part-1)
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell hardness - HRC	ISO 6508-1
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness - HRBW	ASTM E18
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell hardness - HRBW	IS 1586 (Part 1)
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell hardness - HRBW	ISO 6508-1

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124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness - HRC	ASTM E 18
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell hardness - HRC	IS 1586 (Part 1)
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness (Superficial) - HR 30N	ASTM E 18
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell hardness (Superficial)-HR 30 N	ISO 6508-1
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell hardness (Superficial)-HR 30N	IS 1586 (Part 1)
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Yield Strength)	ASTM E8/E8M
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Yield Strength)	IS 1608 (Part-1)
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Yield Strength)	ISO 6892 (Part-1)
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (%Elongation)	ASTM E8/E8M
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (%Elongation)	IBR 1950
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (%Elongation)	IS 1608-Part 1
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (%Elongation)	ISO 6892-Part 1
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (%Reduction Area)	ASTM E8/E8M
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (%Reduction Area)	IBR 1950

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138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (%Reduction Area)	IS 1608-Part 1
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (%Reduction Area)	ISO 6892-1
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Yield Strength)	IBR 1950
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	ASTM E8/E8M
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	IBR 1950
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	IS 1608-Part 1
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness	ASTM E 92
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness	ASTM E 92
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness	IS 1501 (Part-1)
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness	IS 1501 (Part-1)
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness	ISO 6507 (Part-1)
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness	ISO 6507 (Part-1)
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Impact Test Charpy (V-Notch) at Room Temp & up to -196 degree C	ASTM A 370
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	0.2% Proof Stress	ASTM A 370

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152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Bend Test	ASTM A 370
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Brinell Hardness(10/3000Kgf)	ASTM A 370
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Flaring (Tubes & Pipes)	ASTM A 370
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Flaring Test (Tubes & Pipes)	ASTM A/SA A450
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Flattening test (Tubes & Pipes)	ASTM A 370
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Flattening Test (Tubes & Pipes)	ASTM A/SA A450
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Rockwell Hardness - HRBW	ASTM A 370
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Rockwell Hardness - HRC	ASTM A 370
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Rockwell Hardness(Superficial) - HR 30N	ASTM A 370
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Tensile Test (Yield Strength)	ASTM A370
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Tensile Test (%Elongation)	ASTM A 370
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Tensile Test (%Reduction Area)	ASTM A 370
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Ultimate Tensile Strength	ASTM A 370
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	weld in metallic Materials	Vickers Hardness	ISO 9015-1

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166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Bend Test	API-1104
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Bend test	ASME Sec IX
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Bend Test	ASTM E 190
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Bend Test	BS EN ISO 5173
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Bend test	IBR 1950
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Fracture Test	ASME Sec IX
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Fracture Test	IBR 1950
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Fracture Test	ISO 9017
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Nick Break Test	API-1104
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Nick Break Test	IBR 1950
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Nick Break Test	IS 2825
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Ultimate Tensile Strength	API 1104
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Ultimate Tensile Strength	ASME sec IX
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Ultimate Tensile Strength	IBR 1950

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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
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Ultimate Tensile Strength	IS 3600 (Part-3)
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Ultimate Tensile Strength	ISO 4136
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Vickers Hardness	ISO 9015-1
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Steel Products	Fracture Test	IS 3600 (Part-1)
184	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC Practice B	ASTM A 262
185	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC Practice E	ASTM A 262
186	MECHANICAL-METALLOGRAPHY TEST	Austentic Stainless Steel	IGC Practice A	ASTM A 262
187	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Grain Size Measurement (Comparison Method)	ASTM E 112
188	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Macro Examination	ASTM E 340
189	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Microstructure	ASM Hand Book Vol 9
190	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Inclusion Raring	ASTM E 45 Method A
191	MECHANICAL-METALLOGRAPHY TEST	Welds & welded test specimens	Microstructure	IBR 1950
192	MECHANICAL-METALLOGRAPHY TEST	Welds in Metallic Materials	Macro Examination	ASME Sec IX
193	MECHANICAL-METALLOGRAPHY TEST	Welds in Metallic Materials	Macro Examination	IBR 1950
194	MECHANICAL-METALLOGRAPHY TEST	Welds in Metallic Materials	Macro Examination	ISO 17639

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : IXAR MATERIAL TESTING LABORATORY, C-18/85, KRISHNA INDUSTRIAL ESTATE, GORWA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7002 **Page No** 13 of 13

Validity 16/01/2023 to 15/01/2025 **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
Site Facility				
1	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Chromium	ASTM E 1476
2	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Cobalt	ASTM E 1476
3	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Copper	ASTM E 1476
4	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Manganese	ASTM E 1476
5	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Molybdenum	ASTM E1476
6	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Nickel	ASTM E 1476
7	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Niobium	ASTM E1476
8	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Titanium	ASTM E1476
9	CHEMICAL- METALS & ALLOYS	Ferrous Metals Identification, Grade Verification, and Sorting by portable XRF based machine	Tungsten	ASTM E1476