



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

GLOBAL METASCAN ANALYSIS LLP, PLOT NO. PAP-R-534, R-BLOCK, T.B. ROAD, T.T.C INDUSTRIAL ESTATE, RABALE, NAVI MUMBAI, THANE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-14783

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Validity

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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 Testing				
1	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloys	Chromium	ASTM E1251
2	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloys	Copper	ASTM E1251
3	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloys	Iron	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloys	Lead	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloys	Magnesium	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloys	Manganese	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloys	Nickel	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloys	Silicon	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloys	Tin	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloys	Titanium	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloys	Vanadium	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Aluminium and Aluminium Alloys	Zinc	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Aluminium	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Aluminium	IS 8811
15	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Aluminium	JIS G1253
16	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Boron	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Boron	IS 8811
18	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Boron	JIS G1253
19	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Carbon	ASTM E415



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20	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Carbon	IS 8811
21	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Carbon	JIS G1253
22	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Chromium	ASTM E415
23	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Chromium	IS 8811
24	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Chromium	JIS G1253
25	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Cobalt	ASTM E415
26	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Cobalt	IS 8811
27	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Cobalt	JIS G1253
28	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Copper	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Copper	IS 8811
30	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Copper	JIS G1253
31	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Lead	ASTM E415
32	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Lead	JIS G1253
33	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Manganese	ASTM E415
34	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Manganese	IS 8811
35	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Manganese	JIS G1253
36	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Molybdenum	ASTM E415
37	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Molybdenum	IS 8811
38	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Molybdenum	JIS G1253
39	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Nickel	ASTM E415



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40	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Nickel	IS 8811
41	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Nickel	JIS G1253
42	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Niobium	ASTM E415
43	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Niobium	IS 8811
44	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Niobium	JIS G1253
45	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Nitrogen	ASTM E415
46	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Nitrogen	JIS G1253
47	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Phosphorous	ASTM E415
48	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Phosphorous	IS 8811
49	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Phosphorous	JIS G1253
50	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Silicon	ASTM E415
51	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Silicon	IS 8811
52	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Silicon	JIS G1253
53	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Sulphur	ASTM E415
54	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Sulphur	IS 8811
55	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Sulphur	JIS G1253
56	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Tin	ASTM E415
57	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Tin	IS 8811
58	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Tin	JIS G1253
59	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Titanium	ASTM E415



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60	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Titanium	IS 8811
61	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Titanium	JIS G1253
62	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Vanadium	ASTM E415
63	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Vanadium	IS 8811
64	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Vanadium	JIS G1253
65	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Zirconium	ASTM E415
66	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Zirconium	IS 8811
67	CHEMICAL- METALS & ALLOYS	Carbon And Low Alloy Steels	Zirconium	JIS G1253
68	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Aluminium	BS EN 15079
69	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Antimony	BS EN 15079
70	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Arsenic	BS EN 15079
71	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Beryllium	BS EN 15079
72	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Bismuth	BS EN 15079
73	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Carbon	BS EN 15079
74	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Chromium	BS EN 15079
75	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Iron	BS EN 15079
76	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Lead	BS EN 15079
77	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Magnesium	BS EN 15079
78	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Manganese	BS EN 15079
79	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Nickel	BS EN 15079



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80	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Phosphorous	BS EN 15079
81	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Silicon	BS EN 15079
82	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Sulphur	BS EN 15079
83	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Tin	BS EN 15079
84	CHEMICAL- METALS & ALLOYS	Copper & it's Alloys	Zinc	BS EN 15079
85	CHEMICAL- METALS & ALLOYS	Copper and copper alloys	Mercurous nitrate test	ASTM B154
86	CHEMICAL- METALS & ALLOYS	Copper and copper alloys	Mercurous nitrate test	IS 2305
87	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Aluminium	ASTM E3047
88	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Boron	ASTM E3047
89	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Carbon	ASTM E3047
90	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Chromium	ASTM E3047
91	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Cobalt	ASTM E3047
92	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Copper	ASTM E3047
93	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Iron	ASTM E3047
94	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Manganese	ASTM E3047
95	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Molybdenum	ASTM E3047
96	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Niobium	ASTM E3047
97	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Phosphorous	ASTM E3047
98	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Silicon	ASTM E3047
99	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Sulphur	ASTM E3047



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100	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Tantalum	ASTM E3047
101	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Titanium	ASTM E3047
102	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Tungsten	ASTM E3047
103	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Vanadium	ASTM E3047
104	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminium	JIS G1253
105	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
106	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
107	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	JIS G1253
108	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
109	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
110	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	JIS G1253
111	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	JIS G1253
112	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
113	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
114	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	JIS G1253
115	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
116	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
117	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	JIS G1253
118	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
119	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879



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120	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	JIS G1253
121	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
122	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
123	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	JIS G1253
124	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	JIS G1253
125	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	JIS G1253
126	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E1086
127	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	IS 9879
128	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	JIS G1253
129	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
130	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
131	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	JIS G1253
132	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	IS 9879
133	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
134	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	JIS G1253
135	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tantalum	JIS G1253
136	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	JIS G1253
137	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten	JIS G1253
138	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Aluminium	ASTM E2994
139	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Chromium	ASTM E2994



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140	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Copper	ASTM E2994
141	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Iron	ASTM E2994
142	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Manganese	ASTM E2994
143	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Molybdenum	ASTM E2994
144	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Nickel	ASTM E2994
145	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Silicon	ASTM E2994
146	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Tin	ASTM E2994
147	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Vanadium	ASTM E2994
148	CHEMICAL- METALS & ALLOYS	Titanium and Titanium Alloys	Zirconium	ASTM E2994
149	CHEMICAL- METALS & ALLOYS	Zinc Coated Iron and Steel Articles	Mass of Zinc Coating	IS 6745
150	CHEMICAL- METALS & ALLOYS	Zinc Coated Iron and Steel Articles	Uniformity of coating	IS 2633
151	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum- and Magnesium-Alloy Products	0.2% Proof Stress	ASTM B557
152	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum- and Magnesium-Alloy Products	Ultimate Tensile Strength	ASTM B557
153	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum- and Magnesium-Alloy Products	Yield Stress	ASTM B557
154	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel Nut	Proof Load Test	IS 1367 (Part 6)
155	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon and Alloy Steel Nut	Proof Load Test	ISO 898 (Part 2)
156	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon Steel Bolt, Screw and Stud	Integrity of transition section between head and unthreaded shank/thread	IS 1367 (Part 3)



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157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel Bolt, Screw and Stud	Integrity of transition section between head and unthreaded shank/thread	ISO 898 (Part 1)
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel Bolt, Screw and Stud	Proof Load Test	IS 1367 (Part 3)
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel Bolt, Screw and Stud	Proof Load Test	ISO 898 (Part 1)
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel Bolt, Screw and Stud (M6 to M12 Coarse Thread)	Wedge Tensile Strength	IS 1367 (Part 3)
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel Bolt, Screw and Stud (M6 to M12 Coarse Thread)	Wedge Tensile Strength	ISO 898 (Part 1)
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel Bolt, Screw and Stud (M6 to M12 Coarse Thread- Finished Part)	Tensile Strength	IS 1367 (Part 3)
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel Bolt, Screw and Stud (M6 to M12 Coarse Thread- Finished Part)	Tensile Strength	ISO 898 (Part 1)
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper and copper alloys tubes	Drift Expansion Test	BS EN 12449
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper and Copper-Alloy Pipe and Tubing	Expansion (Pin Test)	ASTM B153
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Duplex - Austenitic/Ferritic Stainless Steels	Charpy Impact Test for Classification of structures of Duplex Stainless Steel (Room Temp. to -46 deg C)	ASTM A923, Method B
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	0.2% Proof Stress	ASTM E8/E8M
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	0.2% Proof Stress	IS 1608 (Part 1)
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	0.2% Proof Stress	ISO 6892 (Part 1)
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	Charpy V Impact Test, KV8, at -196 degC and (-80) to 35 degC.	ASTM E23



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171	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	Charpy V Impact Test, KV8, at -196 degC and (-80) to 35 degC.	IS 1757 (Part 1)
172	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	Charpy V Impact Test, KV8, at -196 degC and (-80) to 35 degC.	ISO 148 (Part 1)
173	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	Elongation	ASTM E8/E8M
174	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	Elongation	IS 1608 (Part 1)
175	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	Elongation	ISO 6892 (Part 1)
176	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	Reduction Area	ASTM E8/E8M
177	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	Reduction Area	IS 1608 (Part 1)
178	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	Reduction Area	ISO 6892 (Part 1)
179	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	Ultimate Tensile Strength	ASTM E8/E8M
180	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	Ultimate Tensile Strength	IS 1608 (Part 1)
181	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	Ultimate Tensile Strength	ISO 6892 (Part 1)
182	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	Yield Stress	ASTM E8/E8M
183	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	Yield Stress	IS 1608 (Part 1)
184	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys & products	Yield Stress	ISO 6892 (Part 1)



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185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Brinell Hardness (HBW 10/3000)	ASTM E10
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Brinell Hardness (HBW 10/3000)	IS 1500 (Part 1)
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Brinell Hardness (HBW 10/3000)	ISO 6506 (Part 1)
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Brinell Hardness (HBW 5/750)	ASTM E10
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Brinell Hardness (HBW 5/750)	IS 1500 (Part 1)
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Brinell Hardness (HBW 5/750)	ISO 6506 (Part 1)
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Rockwell Hardness (HRA)	ASTM E18
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Rockwell Hardness (HRA)	IS 1586 (Part 1)
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Rockwell Hardness (HRA)	ISO 6508 (Part 1)
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Rockwell Hardness (HRBW)	ASTM E18
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Rockwell Hardness (HRBW)	IS 1586 (Part 1)
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Rockwell Hardness (HRBW)	ISO 6508 (Part 1)
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Rockwell Hardness (HRC)	ASTM E18
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Rockwell Hardness (HRC)	IS 1586 (Part 1)



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199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Rockwell Hardness (HRC)	ISO 6508 (Part 1)
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Vickers Hardness (HV10)	ASTM E92
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Vickers Hardness (HV10)	IS 1501 (Part 1)
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Vickers Hardness (HV10)	ISO 6507 (Part 1)
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Vickers Hardness (HV30)	ASTM E92
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Vickers Hardness (HV30)	IS 1501 (Part 1)
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Vickers Hardness (HV30)	ISO 6507 (Part 1)
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Vickers Hardness (HV5)	ASTM E92
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Vickers Hardness (HV5)	IS 1501 (Part 1)
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non-Ferrous Metals, alloys and products	Vickers Hardness (HV5)	ISO 6507 (Part 1)
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Through Thickness - Reduction Area	BS EN 10164
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Through Thickness - Ultimate Tensile Strength	BS EN 10164
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires	0.2% Proof Stress	IS 1608 (Part 1)
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires	Bend Test (Mandrel diameter 10, 16, 20, 22, 24, 32, 40, 60, 75 mm)	IS 1599



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213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires	Elongation	IS 1608 (Part 1)
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires	Rebend Test (Mandrel diameter 10, 16, 20, 22, 24, 32, 40, 60, 75 mm)	IS 1786
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires	Ultimate Tensile Strength	IS 1608 (Part 1)
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	High strength deformed steel bars and wires	Yield Stress	IS 1608 (Part 1)
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test (Mandrel diameter 10, 16, 20, 22, 24, 32, 40, 60, 75 mm)	IS 1599
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test (Mandrel diameter 10, 16, 20, 22, 24, 32, 40, 60, 75 mm)	ISO 7438
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials - Tube	Bend Test (Mandrel dia 22, 28, 34, 42, 48 60 mm)	IS 2329
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tube	Drift Expansion Test	BS EN ISO 8493
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tube	Drift Expansion Test	IS 2335
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tube	Flattening Test	IS 2328
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tube	Flattening Test	ISO 8492
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Nickel and Nickel Alloy Welded Pipe	Flattening Test	ASTM B775/ B775M
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Bolt, Screw and Stud	Integrity of transition section between head and unthreaded shank/thread	IS 1367 (Part 14/Sec 1)
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Bolt, Screw and Stud	Integrity of transition section between head and unthreaded shank/thread	ISO 3506 (Part 1)



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227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Bolt, Screw and Stud	Proof Load Test	IS 1367 (Part 14/Sec 1)
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Bolt, Screw and Stud, (M6 to M12 Coarse Thread)	Elongation after fracture	IS 1367 (Part 14/Sec 1)
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Bolt, Screw and Stud, (M6 to M12 Coarse Thread)	Elongation after fracture	ISO 3506 (Part 1)
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Bolt, Screw and Stud, (M6 to M12 Coarse Thread)	Tensile Strength (finished part)	IS 1367 (Part 14/Sec 1)
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Bolt, Screw and Stud, (M6 to M12 Coarse Thread)	Tensile Strength (finished part)	ISO 3506 (Part 1)
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Bolt, Screw and Stud, (M6 to M12 Coarse Thread)	Wedge Tensile Strength	IS 1367 (Part 14/Sec 1)
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Bolt, Screw and Stud, (M6 to M12 Coarse Thread)	Wedge Tensile Strength	ISO 3506 (Part 1)
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Nut	Proof Load Test	IS 1367 (Part 14/Sec 2)
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel Nut	Proof Load Test	ISO 3506 (Part 2)
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Bolt, Screw and Stud	Integrity of transition section between head and unthreaded shank/thread	ASTM F606/F606M
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Bolt, Screw and Stud	Proof Load Test	ASTM F606/F606M
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Bolt, Screw and Stud	Proof Load Test	ISO 3506 (Part 1)
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Bolt, Screw and Stud, (M6 to M12 Coarse Thread - finished part)	Tensile Strength	ASTM F606/F606M
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Bolt, Screw and Stud, (M6 to M12 Coarse Thread - Machined Test Piece)	Tensile Strength	ASTM F606/F606M



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241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Bolt, Screw and Stud, (M6 to M12 Coarse Thread)	Elongation after fracture	ASTM F606/F606M
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Bolt, Screw and Stud, (M6 to M12 Coarse Thread)	Wedge Tensile Strength	ASTM F606/F606M
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Nut	Proof Load Test	ASTM F606/F606M
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plate	Through Thickness - Reduction Area	ASTM A770/A770M
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plate	Through Thickness - Reduction Area	SA 770, ASME BPVC.IIA
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plate	Through Thickness - Ultimate Tensile Strength	ASTM A770/A770M
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plate	Through Thickness - Ultimate Tensile Strength	SA 770, ASME BPVC.IIA
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Steel, Stainless Steel and Related Alloys)	0.2% Proof Stress	ASTM A370
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Steel, Stainless Steel and Related Alloys)	Bend Test (Mandrel diameter 10, 16, 20, 22, 24, 32, 40, 60, 75 mm)	ASTM A370
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Steel, Stainless Steel and Related Alloys)	Brinell Hardness (HBW 10/3000)	ASTM A370
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Steel, Stainless Steel and Related Alloys)	Brinell Hardness (HBW 5/750)	ASTM A370
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Steel, Stainless Steel and Related Alloys)	Charpy V Impact Test, KV8, at -196 degC and (-80) to 35 degC.	ASTM A370
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Steel, Stainless Steel and Related Alloys)	Elongation	ASTM A370
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Steel, Stainless Steel and Related Alloys)	Reduction Area	ASTM A370



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255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Steel, Stainless Steel and Related Alloys)	Rockwell Hardness (HRA)	ASTM A370
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Steel, Stainless Steel and Related Alloys)	Rockwell Hardness (HRBW)	ASTM A370
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Steel, Stainless Steel and Related Alloys)	Rockwell Hardness (HRC)	ASTM A370
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Steel, Stainless Steel and Related Alloys)	Ultimate Tensile Strength	ASTM A370
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Steel, Stainless Steel and Related Alloys)	Yield Stress	ASTM A370
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tube	Flaring Test	ASTM A370
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tube	Flattening Test	ASTM A370
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Tube	Flattening Test	ASTM A999/A999M
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	All Weld 0.1 to 1% Proof Stress	ASME BPVC.IX
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	All Weld Elongation	ASME BPVC.IX
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	All Weld Reduction Area	ASME BPVC.IX
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	All Weld Tensile Strength	ASME BPVC.IX
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	All Weld Yield Stress	ASME BPVC.IX
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Bend Test: Root, Face and Side Bend (Mandrel diameter 10, 16, 20, 22, 24, 32, 40, 60, 75 mm)	API 1104, 22nd Edition



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269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Fillet Weld Fracture Test	IS 3600 (Part 8)
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Guided Bend Test (Root, Face, Side Bend) (Mandrel diameter 10, 16, 20, 22, 24, 32, 40, 60, 75 mm)	ASME BPVC.IX
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Guided Bend Test (Root, Face, Side Bend) (Mandrel diameter 10, 16, 20, 22, 24, 32, 40, 60, 75 mm)	ASTM E190
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Guided Bend Test (Root, Face, Side Bend) (Mandrel diameter 10, 16, 20, 22, 24, 32, 40, 60, 75 mm)	ISO 5173
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Longitudinal Tensile Strength	IS 3600 (Part 4)
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Nick Break Test	API 1104, 22nd Edition
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Nick Break Test	IS 3600 (Part 8)
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Transverse Root and Face Bend Test (Mandrel diameter 10, 16, 20, 22, 24, 32, 40, 60, 75 mm)	IS 3600 (Part 5)
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Transverse Side bend test (Mandrel diameter 10, 16, 20, 22, 24, 32, 40, 60, 75 mm)	IS 3600 (Part 6)
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Transverse Tensile Strength	API 1104, 22nd Edition
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Transverse Tensile Strength	ASME BPVC.IX
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Transverse Tensile Strength	AWS D1.1
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Transverse Tensile Strength	IS 3600 (Part 3)



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282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Transverse Tensile Strength	ISO 4136
283	MECHANICAL-METALLOGRAPHY TEST	Austenitic & Duplex Stainless Steel (Ferrite/Austenite)	IGC Test (Huey Test)	ISO 3651 (Part 1)
284	MECHANICAL-METALLOGRAPHY TEST	Austenitic & Duplex Stainless Steel (Ferrite/Austenite)	IGC Test (Method B) (Mandrel Dia. 10, 16, 20, 22, 24, 32, 40, 60, 75 mm)	ISO 3651 (Part 2)
285	MECHANICAL-METALLOGRAPHY TEST	Austenitic and duplex ferritic-austenitic Cr-Ni stainless steel weld metals	Ferrite Number	ISO 8249
286	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion IGC Practice- A	ASTM A262
287	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion IGC- Practice B	ASTM A262
288	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion IGC- Practice C	ASTM A262
289	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion IGC- Practice C(Huey Test)	IS 10461 (Part 1)
290	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion IGC- Practice F	ASTM A262
291	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion: IGC- Practice -E (Mandrel Dia. 10, 16, 20, 22, 24, 32, 40, 60, 75 mm)	ASTM A262
292	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion: IGC- Practice -E(Monypenny Strauss Test) (Mandrel Dia. 10, 16, 20, 22, 24, 32, 40, 60, 75 mm)	IS 10461 (Part 2)
293	MECHANICAL-METALLOGRAPHY TEST	Austenitic/Ferritic (Duplex Stainless Steel)	Detecting Detrimental Intermetallic Phase, Ferric Chloride Corrosion Test (Method - C)	ASTM A923
294	MECHANICAL-METALLOGRAPHY TEST	Austenitic/Ferritic (Duplex Stainless Steel)	Detecting Detrimental Intermetallic Phase, Sodium Hydroxide Etch Test (Method - A)	ASTM A923
295	MECHANICAL-METALLOGRAPHY TEST	Autenatic and Duplex Stainless Steel	Ferrite Content (Magnetic Method)	ASTM A800/A800M
296	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Graphite Structure	IS 7754 (Part 1)
297	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Graphite Structure	ISO 945 (Part 1)



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298	MECHANICAL-METALLOGRAPHY TEST	Cast Iron and Steel	Microstructure Examination	ASM Handbook Vol 9
299	MECHANICAL-METALLOGRAPHY TEST	Ferritic , Austenitic & Duplex Stainless Steel (Ferrite/Austenite)	IGC TEST (Method A) (Mandrel Dia. 10, 16, 20, 22, 24, 32, 40, 60, 75 mm)	ISO 3651 (Part 2)
300	MECHANICAL-METALLOGRAPHY TEST	Ferritic , Austenitic & Duplex Stainless Steel (Ferrite/Austenite)	IGC TEST (Method C) (Mandrel Dia. 10, 16, 20, 22, 24, 32, 40, 60, 75 mm)	ISO 3651 (Part 2)
301	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non-Ferrous Metals, alloys & products	Anisotropy Index	ASTM E1268
302	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non-Ferrous Metals, alloys & products	Average Grain Size (Comparison Method)	ASTM E112
303	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non-Ferrous Metals, alloys & products	Average Grain Size (Comparison Method)	IS 4748
304	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non-Ferrous Metals, alloys & products	Average Grain Size (Comparison Method)	ISO 643
305	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non-Ferrous Metals, alloys & products	Banding Rate	ASTM E1268
306	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non-Ferrous Metals, alloys & products	Degree of Orientation	ASTM E1268
307	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non-Ferrous Metals, alloys & products	Mean Centre to Centre Spacing	ASTM E1268
308	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non-Ferrous Metals, alloys & products	Mean Edge to Edge Spacing	ASTM E1268
309	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non-Ferrous Metals, alloys & products	Microetching For Metals & Alloys	ASTM E407
310	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non-Ferrous Metals, alloys & products	Preparation of Metallographic specimens	ASTM E3
311	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non-Ferrous Metals, alloys & products	Volume Fraction of Different Phase by Systematic Manual Count	ASTM E562
312	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non-Ferrous Metals, alloys & products	Volume Fraction of Inclusion or Second-Phase Constituent	ASTM 1245
313	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Hydrogen Induced Cracking	NACE TM 0284
314	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Sulfide Stress Corrosion Cracking (Method A)	NACE TM 0177
315	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Sulfide Stress Corrosion Cracking (Method B)	NACE TM 0177
316	MECHANICAL-METALLOGRAPHY TEST	Ferrous Material	Sulfide Stress Corrosion Cracking (Method C)	NACE TM 0177

This is annexure to 'Certificate of Accreditation' and does not require any signature.



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

GLOBAL METASCAN ANALYSIS LLP, PLOT NO. PAP-R-534, R-BLOCK, T.B. ROAD, T.T.C INDUSTRIAL ESTATE, RABALE, NAVI MUMBAI, THANE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-14783

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Validity

03/05/2025 to 02/05/2029

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
317	MECHANICAL-METALLOGRAPHY TEST	Iron castings with spheroidal or nodular graphite	Graphite Structure	IS 1865
318	MECHANICAL-METALLOGRAPHY TEST	Metallic Coating / Plating	Coating Thickness (Microscopic Method)	ASTM B487
319	MECHANICAL-METALLOGRAPHY TEST	Metallic Coating / Plating	Coating Thickness (Microscopic Method)	IS 3203
320	MECHANICAL-METALLOGRAPHY TEST	Metals & Alloys	Chloride Stress Corrosion Test	ASTM G36
321	MECHANICAL-METALLOGRAPHY TEST	Metals and Alloys	Macro Etching Test	ASTM E340
322	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Nickel Base, Chromium Bearing Alloys	Crevice Corrosion (Method-B)	ASTM G48
323	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Nickel Base, Chromium Bearing Alloys	Critical Pitting Temperature (Method -E)	ASTM G48
324	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Nickel Base, Chromium Bearing Alloys	Pitting Corrosion Test (Method-A)	ASTM G48
325	MECHANICAL-METALLOGRAPHY TEST	Steel	Case Depth (Microscopic Method)	IS 6416
326	MECHANICAL-METALLOGRAPHY TEST	Steel	Depth of decarburized layer (Microscopic Method)	ASTM E1077
327	MECHANICAL-METALLOGRAPHY TEST	Steel	Depth of decarburized layer (Microscopic Method)	IS 6396
328	MECHANICAL-METALLOGRAPHY TEST	Steel	Effective Case Depth (Hardness Traverse Method)	ASTM E384
329	MECHANICAL-METALLOGRAPHY TEST	Steel	Effective Case Depth (Hardness Traverse Method)	IS 6416
330	MECHANICAL-METALLOGRAPHY TEST	Steel	Inclusion content (Method A)	ASTM E45
331	MECHANICAL-METALLOGRAPHY TEST	Steel	Inclusion content (Method A)	IS 4163
332	MECHANICAL-METALLOGRAPHY TEST	Steel	Inclusion content (Method A)	ISO 4967
333	MECHANICAL-METALLOGRAPHY TEST	Steel	Inclusion content (Method D)	ASTM E45
334	MECHANICAL-METALLOGRAPHY TEST	Steel	Microindentation Hardness (HV0.3)	ASTM E384
335	MECHANICAL-METALLOGRAPHY TEST	Steel	Microindentation Hardness (HV0.3)	IS 1501 (Part 1)
336	MECHANICAL-METALLOGRAPHY TEST	Steel	Microindentation Hardness (HV0.3)	ISO 6507 (Part 1)



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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
337	MECHANICAL-METALLOGRAPHY TEST	Steel	Microindentation Hardness (HV0.5)	ASTM E384
338	MECHANICAL-METALLOGRAPHY TEST	Steel	Microindentation Hardness (HV0.5)	IS 1501 (Part 1)
339	MECHANICAL-METALLOGRAPHY TEST	Steel	Microindentation Hardness (HV0.5)	ISO 6507 (Part 1)
340	MECHANICAL-METALLOGRAPHY TEST	Steel	Microindentation Hardness (HV1)	ASTM E384
341	MECHANICAL-METALLOGRAPHY TEST	Steel	Microindentation Hardness (HV1)	IS 1501 (Part 1)
342	MECHANICAL-METALLOGRAPHY TEST	Steel	Microindentation Hardness (HV1)	ISO 6507 (Part 1)
343	MECHANICAL-METALLOGRAPHY TEST	Steel Bars, Billets, Blooms, and Forgings	Macro Etching Test	ASTM E381
344	MECHANICAL-METALLOGRAPHY TEST	Weld in Metal	Macro Etching Test	ASME BPVC.IX
345	MECHANICAL-METALLOGRAPHY TEST	Weld in Metal	Macro Etching Test	ISO 17639
346	MECHANICAL-METALLOGRAPHY TEST	Weld in Metals	Macroscopic and microscopic examination of welds	ISO 17639
347	MECHANICAL-METALLOGRAPHY TEST	Wrought steel products	Macro Etching Test	IS 11371
348	MECHANICAL-METALLOGRAPHY TEST	Wrought, Cast, Welded Nickel Rich Chromium Bearing Alloys	Ferric Sulphate -Sulphuric Acid Test (Method -A)	ASTM G28
349	MECHANICAL-METALLOGRAPHY TEST	Wrought, Cast, Welded Nickel Rich Chromium Bearing Alloys	Mixed Acid - Oxidizing Salt Test (Method-B)	ASTM G28