



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

ELCA QUALITY SYSTEMS & CALIBRATIONS PVT. LTD.

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

PLOT NO. S-152, S BLOCK, BHOSARI MIDC, PIMPRI CHINCHWAD, INDUSTRIAL AREA, PUNE,
MAHARASHTRA, INDIA

in the field of

TESTING

Certificate Number: NABLT0626MH18488 (In lieu of TC-5744)

Issue Date: 15/04/2026

Valid Until: 14/04/2030

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: ELCA QUALITY SYSTEMS & CALIBRATIONS PRIVATE LIMITED

Signed for and on behalf of NABL



Anuja Anand
Director

Dr. Ramanand N. Shukla
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ELCA QUALITY SYSTEMS & CALIBRATIONS PVT. LTD., PLOT NO. S-152, S BLOCK, BHOSARI MIDC, PIMPRI CHINCHWAD, INDUSTRIAL AREA, PUNE, MAHARASHTRA, INDIA

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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 Testing				
1	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Electrotechnical products	Cadmium	IEC 62321-3-1
2	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Electrotechnical products	Hexavalent Chromium (Spot Test)	ASTM D6492-1999
3	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Electrotechnical products	Lead	IEC 62321-3-1
4	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Electrotechnical products	Mercury	IEC 62321-3-1
5	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Electrotechnical products	Total Bromine	IEC 62321-3-1
6	CHEMICAL-HAZARDOUS & RESTRICTED CHEMICALS	Electrotechnical products	Total Chromium	IEC 62321-3-1
7	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Coated Metallic Material	Mass of Zinc Coating	IS 6745
8	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Coated Metallic Material	Uniformity of Zinc Coating	IS 2633
9	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Coated Metallic Material	Mass of Aluminium Zinc Metallic Coating	IS 15961



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10	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Chromium	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Chromium	IS : 11035
12	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Copper	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Copper	IS : 11035
14	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	IS 504 (Part 3)
15	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Iron	ASTM E1251
16	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Iron	IS 11035
17	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	IS 504 (Part 2)
18	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Lead	ASTM E1251
19	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Magnesium	ASTM E1251
20	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Magnesium	IS 11035
21	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	IS 504 (Part 6)
22	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	ASTM E1251
23	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	IS : 11035
24	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	IS 504 (Part 5)
25	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel	ASTM E1251



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26	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel	IS 504 (Part 7)
27	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	ASTM E1251
28	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	IS : 11035
29	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	IS 504 (Part 1)
30	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin	ASTM E1251
31	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Titanium	IS : 11035
32	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	ASTM E1251
33	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	IS : 11035
34	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	IS 504 (Part 4)
35	CHEMICAL- METALS & ALLOYS	Aluminium & its Alloys	Titanium	ASTM E1251
36	CHEMICAL- METALS & ALLOYS	Austenitic & Ferritic Stainless Steels	Cobalt	JIS G 1253: Amendment 1
37	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless steel	Hydrogen	WI/CHE/72 Issue No 01 Rev 0
38	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Aluminium	JIS G 1253: Amendment 1
39	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Carbon	IS 9879
40	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Carbon	JIS G 1253: Amendment 1
41	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Chromium	IS 9879



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42	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Chromium	JIS G 1253: Amendment 1
43	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Copper	IS 9879
44	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Copper	JIS G 1253: Amendment 1
45	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Manganese	IS 9879
46	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Manganese	JIS G 1253: Amendment 1
47	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Molybdenum	IS 9879
48	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Molybdenum	JIS G 1253: Amendment 1
49	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Nickel	IS 9879
50	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Nickel	JIS G 1253: Amendment 1
51	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Niobium	JIS G 1253: Amendment 1
52	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Nitrogen	ASTM E1019
53	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Nitrogen	JIS G 1253: Amendment 1
54	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Oxygen	ASTM E1019
55	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Phosphorus	IS 9879
56	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Phosphorus	JIS G 1253: Amendment 1
57	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Silicon	IS 9879



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58	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Silicon	JIS G 1253: Amendment 1
59	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Sulphur	IS 9879
60	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Sulphur	JIS G 1253: Amendment 1
61	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Titanium	JIS G 1253: Amendment 1
62	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Tungsten	JIS G 1253: Amendment 1
63	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Carbon	ASTM E1086
64	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Chromium	ASTM E1086
65	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Copper	ASTM E1086
66	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Manganese	ASTM E1086
67	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Molybdenum	ASTM E1086
68	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Nickel	ASTM E1086
69	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Phosphorus	ASTM E1086
70	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Silicon	ASTM E1086
71	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Sulphur	ASTM E1086
72	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1019
73	CHEMICAL- METALS & ALLOYS	Cast iron	Carbon	ASTM E1999



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74	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	JIS G 1253: Amendment 1
75	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E1999
76	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E351,Sec 218-226
77	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E351,Sec.208-217, By AAS
78	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	IS 12308 (Part 8)
79	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	JIS G 1253: Amendment 1
80	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E1999
81	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E351, Sec 81-88
82	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	IS 12308 (Part 12) By AAS
83	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	JIS G 1253: Amendment 1
84	CHEMICAL- METALS & ALLOYS	Cast Iron	Magnesium	JIS G 1253: Amendment 1
85	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E1999
86	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E351, Sec 152-159
87	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E351,Sec.9-18 By UV
88	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	IS 12308 (Part 10)
89	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	JIS G 1253: Amendment 1



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90	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E1999
91	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E351,Sec.196-207 By UV
92	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	JIS G 1253: Amendment 1
93	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E1999
94	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E351, Sec 168-175
95	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E351,Sec176-185 By AAS
96	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	IS 12308 (Part 7)
97	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	JIS G 1253: Amendment 1
98	CHEMICAL- METALS & ALLOYS	Cast Iron	Nitrogen	ASTM E1019
99	CHEMICAL- METALS & ALLOYS	Cast Iron	Oxygen	ASTM E1019
100	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E1999
101	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E351, Sec 160-167
102	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	IS 12308 (Part 5)
103	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	JIS G 1253: Amendment 1
104	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999
105	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E351,Sec 46-52



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106	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	IS 12308 (Part 6)
107	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	JIS G 1253: Amendment 1
108	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E1019
109	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E1999
110	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	JIS G 1253: Amendment 1
111	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminium	BS EN 15079
112	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminium	IS 4027 (Part 9) By AAS
113	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Antimony	BS EN 15079
114	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Copper	ASTM E478, Sec 55-62
115	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Copper	IS : 4027 (Part 1)
116	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Copper	IS : 440
117	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Copper	IS 3685
118	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	BS EN 15079
119	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	IS 3187
120	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	IS 3685
121	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	IS 4027 (Part 8)



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122	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	IS 440
123	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	BS EN 15079
124	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	IS : 4027 (Part 1)
125	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	IS 3685
126	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese	BS EN 15079
127	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese	IS 3685
128	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	ASTM E478, Sec 55-62
129	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	BS EN 15079
130	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	IS : 440
131	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	IS 3187
132	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	IS 3685
133	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Oxygen	ASTM E2575
134	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorus	BS EN 15079
135	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorus	IS : 4027 (Part 3)
136	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorus	IS : 440
137	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorus	IS 3685



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138	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	BS EN 15079
139	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	IS 3685
140	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	IS 4027 (Part 10)
141	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin	BS EN 15079
142	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	BS EN 15079
143	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	IS : 4027 (Part 6)
144	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	IS 3685
145	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Aluminium	JIS G 1253: Amendment 1
146	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Aluminum	ASTM E415
147	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Aluminum	IS 8811
148	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Boron	ASTM E415
149	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Boron	IS 8811
150	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Boron	JIS G 1253: Amendment 1
151	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Carbon	ASTM E1019
152	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Carbon	ASTM E415
153	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Carbon	IS 228 (Part 20)



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154	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Carbon	IS 8811
155	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Carbon	JIS G 1253: Amendment 1
156	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Chromium	ASTM E350,sec 220-229, by AAS
157	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Chromium	ASTM E350,sec 230-238
158	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Chromium	ASTM E415
159	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Chromium	IS : 228 (Part 6)
160	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Chromium	IS 8811
161	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Chromium	JIS G 1253: Amendment 1
162	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Cobalt	ASTM E415
163	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Cobalt	IS 8811
164	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Cobalt	JIS G 1253: Amendment 1
165	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Copper	ASTM E350, sec 279-288, By AAS
166	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Copper	ASTM E415
167	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Copper	IS 228 (Part 15)
168	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Copper	IS 8811
169	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Copper	JIS G 1253: Amendment 1



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PIMPRI CHINCHWAD, INDUSTRIAL AREA, PUNE, MAHARASHTRA, INDIA

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170	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Hydrogen	WI/CHE/72 Issue No 01 Rev 0
171	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Manganese	ASTM E350, Sec 164-171
172	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Manganese	ASTM E350, Sec 269-278, By AAS
173	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Manganese	ASTM E415
174	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Manganese	IS : 228 (Part 2)
175	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Manganese	IS 8811
176	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Manganese	JIS G 1253: Amendment 1
177	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Molybdenum	ASTM E350,Sec.152-163 By UV
178	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Molybdenum	ASTM E415
179	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Molybdenum	IS 8811
180	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Molybdenum	JIS G 1253: Amendment 1
181	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Nickel	ASTM E350, sec 180-187
182	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Nickel	ASTM E350, sec 318-327, By AAS
183	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Nickel	ASTM E415
184	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Nickel	IS : 228 (Part 5)
185	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Nickel	IS 8811



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186	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Nickel	JIS G 1253: Amendment 1
187	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Niobium	ASTM E415
188	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Niobium	IS 8811
189	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Niobium	JIS G 1253: Amendment 1
190	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Nitrogen	ASTM E1019
191	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Nitrogen	ASTM E415
192	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Nitrogen	JIS G 1253: Amendment 1
193	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Oxygen	ASTM E1019
194	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Phosphorus	ASTM E350 Sec 172-179
195	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Phosphorus	ASTM E415
196	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Phosphorus	IS : 228 (Part 3)
197	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Phosphorus	IS 8811
198	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Phosphorus	JIS G 1253: Amendment 1
199	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Silicon	ASTM E 350,Sec.46-52
200	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Silicon	ASTM E415
201	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Silicon	IS 228 (Part 8)



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202	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Silicon	IS 8811
203	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Silicon	JIS G 1253: Amendment 1
204	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Sulphur	ASTM E1019
205	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Sulphur	ASTM E415
206	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Sulphur	IS 228 (Part 20)
207	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Sulphur	IS 8811
208	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Sulphur	JIS G 1253: Amendment 1
209	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Tin	ASTM E415
210	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Titanium	ASTM E415
211	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Titanium	IS 8811
212	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Titanium	JIS G 1253: Amendment 1
213	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Vanadium	ASTM E415
214	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Vanadium	IS 8811
215	CHEMICAL- METALS & ALLOYS	Low carbon, medium carbon & high carbon steel	Vanadium	JIS G 1253: Amendment 1
216	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Aluminium	ASTM E3047
217	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Aluminium	WI/CHE/03c Issue No 03 Rev 1



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218	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Carbon	ASTM E3047
219	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Carbon	WI/CHE/03c Issue No 03 Rev 1
220	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Chromium	ASTM E3047
221	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Chromium	WI/CHE/03c Issue No 03 Rev 1
222	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Cobalt	ASTM E3047
223	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Copper	ASTM E3047
224	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Copper	WI/CHE/03c Issue No 03 Rev 1
225	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Iron	ASTM E3047
226	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Iron	WI/CHE/03c Issue No 03 Rev 1
227	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Manganese	ASTM E3047
228	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Manganese	WI/CHE/03c Issue No 03 Rev 1
229	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Molybdenum	ASTM E3047
230	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Molybdenum	WI/CHE/03c Issue No 03 Rev 1
231	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Niobium	ASTM E3047
232	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Phosphorus	ASTM E3047
233	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Silicon	ASTM E3047



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234	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Sulphur	ASTM E3047
235	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Sulphur	WI/CHE/03c Issue No 03 Rev 1
236	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Titanium	ASTM E3047
237	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Tungsten	ASTM E3047
238	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Vanadium	ASTM E3047
239	CHEMICAL- METALS & ALLOYS	Nickel & its Alloys	Tungsten	WI/CHE/03c Issue No 03 Rev 1
240	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E1019
241	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 228 (Part 20)
242	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E353, Sec 212-220
243	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E353, Sec 82-89
244	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E353,Sec.9-18 (by UV)
245	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E353,Sec.190-201 By UV
246	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 228 (Part 7)
247	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E353, Sec 172-179
248	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E353 ,Sec 164-171
249	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E353, Sec 46-52



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250	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1019
251	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 228 (Part 20)
252	CHEMICAL- METALS & ALLOYS	Steels (High alloy steels)	Nickel	IS : 228 (Part 5)
253	CHEMICAL- METALS & ALLOYS	Steels(High alloy steels)	Silicon	IS 228 (Part 8)
254	CHEMICAL- METALS & ALLOYS	Steels(High alloy steels)	Chromium	IS : 228 (Part 6)
255	CHEMICAL- METALS & ALLOYS	Titanium & its Alloys	Carbon	WI/CHE/03f Issue No 03 Rev 1
256	CHEMICAL- METALS & ALLOYS	Titanium & its Alloys	Hydrogen	ASTM E1447
257	CHEMICAL- METALS & ALLOYS	Titanium & its Alloys	Nitrogen	ASTM E1409:2013
258	CHEMICAL- METALS & ALLOYS	Titanium & its Alloys	Oxygen	ASTM E1409:2013
259	CHEMICAL- METALS & ALLOYS	Titanium& its Alloys	Aluminium	ASTM E2994
260	CHEMICAL- METALS & ALLOYS	Titanium& its Alloys	Chromium	ASTM E2994
261	CHEMICAL- METALS & ALLOYS	Titanium& its Alloys	Copper	ASTM E2994
262	CHEMICAL- METALS & ALLOYS	Titanium& its Alloys	Iron	ASTM E2994
263	CHEMICAL- METALS & ALLOYS	Titanium& its Alloys	Manganese	ASTM E2994
264	CHEMICAL- METALS & ALLOYS	Titanium& its Alloys	Molybdenum	ASTM E2994
265	CHEMICAL- METALS & ALLOYS	Titanium& its Alloys	Nickel	ASTM E2994



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266	CHEMICAL- METALS & ALLOYS	Titanium& its Alloys	Silicon	ASTM E2994
267	CHEMICAL- METALS & ALLOYS	Titanium& its Alloys	Vanadium	ASTM E2994
268	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon	JIS G 1253: Amendment 1
269	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium	JIS G 1253: Amendment 1
270	CHEMICAL- METALS & ALLOYS	Tool Steel	Cobalt	JIS G 1253: Amendment 1
271	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese	JIS G 1253: Amendment 1
272	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum	JIS G 1253: Amendment 1
273	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorus	JIS G 1253: Amendment 1
274	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon	JIS G 1253: Amendment 1
275	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur	JIS G 1253: Amendment 1
276	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten	JIS G 1253: Amendment 1
277	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium	JIS G 1253: Amendment 1
278	CHEMICAL- PAINTS & SURFACE COATING	Coated Metallic Materials	Salt spray test	ISO 9227
279	CHEMICAL- PAINTS & SURFACE COATING	Coated Metallic Materials	Salt Spray Tests	ASTM B117
280	CHEMICAL- PAINTS & SURFACE COATING	Electroplated and Anodized Aluminium Coatings	Salt Spray Test	IS 9844
281	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Product	Adhesion Test (Tape Test)	ASTM D3359



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282	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Product	Adhesion Test (Tape Test)	BS EN ISO 2409
283	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Product	Adhesion Test (Tape Test)	IS 101 (Part 5/Sec 2)
284	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Product	Bend Test (Conical Mandrel)	ASTM D522/D522M-2017
285	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Product	Bend test (Conical mandrel)	ISO 6860
286	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Product	Gloss Test at 20°	ASTM D523
287	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Product	Gloss test at 20°	ISO 2813
288	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Product	Gloss Test at 60°	ASTM D523
289	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Product	Gloss test at 60°	ISO 2813
290	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Product	Impact Resistance	ASTM D2794-1993
291	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Product	Pencil Hardness	ASTM D3363
292	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Product	Pencil Hardness	IS 101 (Part-5/Sec1)
293	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Products	Resistance to Household Chemicals	ASTM D1308
294	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Products	Solvent rub test	ASTM D5402
295	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Products	Water Resistance	ASTM D1735
296	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Products	Water Resistance	ASTM D2247
297	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Products	Water Resistance	ASTM D4585/D4585M



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298	CHEMICAL- PAINTS & SURFACE COATING	Painted, Plated, Coated Panels & Products	Water Resistance	ASTM D870
299	CHEMICAL- PLASTIC & RESINS	Plastic & plastic product	Determination of glass content-Method A	ISO 1172
300	CHEMICAL- PLASTIC & RESINS	Plastic & plastic product	Ash Content	ASTM D5630
301	CHEMICAL- PLASTIC & RESINS	Plastic & plastic product	Flammability	UL 94
302	CHEMICAL- PLASTIC & RESINS	Plastic & Plastic Products	Ignition Loss Test	ASTM D2584
303	CHEMICAL- PLASTIC & RESINS	Plastic & Plastic products	Polymer Identification	ASTM E1252-1998
304	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber & rubber product	Ash content	ASTM D297
305	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber & rubber product	Ash Content	IS 3400 (Part 22)
306	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber & rubber product	Polymer Identification	ASTM D3677-2010
307	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber & rubber product	Polymer Identification	IS 3400 (Part 22)
308	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness by Brinell method (HBW 10/500)	ASTM E10
309	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness by Brinell method (HBW 10/500)	ISO 6506 -1
310	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness by Brinell method (HBW 2.5/62.5)	ASTM E10



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311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness by Brinell method (HBW 2.5/62.5)	IS 1500 (Part 1)
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness by Brinell method (HBW 2.5/62.5)	ISO 6506 -1
313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel and Alloy Steel- Threaded Fasteners (Nut)	Proof Load	A 370
314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel and Alloy Steel- Threaded Fasteners (Nut)	Proof Load	IS 1367 (Part 6)
315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel and Alloy Steel- Threaded Fasteners (Nut)	Proof Load	ISO 898-2
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel and alloys -Fasteners -Bolts, Screws and Studs	Proof Load	IS 1367 (Part 3)
317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel and alloys -Fasteners-Bolts, Screws and Studs	Proof Load	ISO 898-1
318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper and Copper-Alloy Pipe -Tube	Flaring Test	ASTM B153
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper and Copper-Alloy Pipe -Tube	Flattening Test	ASTM B968-2016



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320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Duplex, Austenite/Ferrite stainless steel	Charpy Impact test - Method B	ASTM A923
321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferritic/Austenitic(Duplex) stainless steel	Charpy Impact V notch (Temp : - 196°C to 30 ° C)	BS EN ISO 17781
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Coatings	Adhesion Test (by bend test method)	ASTM B571
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	ASTM E290
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	IS 1599
325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	ISO 7438
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact U notch (Temp : -196°C to 30 ° C)	ASTM E23
327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact U notch (Temp : -196°C to 30 ° C)	ISO 148-1
328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact V notch (Temp : -196°C to 30 ° C)	ASTM E23



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329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact V notch (Temp : -196°C to 30 °C)	EN ISO 148-1
330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact V notch (Temp : -196°C to 30 °C)	IS 1757 (Part 1)
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Flanging Test	ISO 8494
332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness by Brinell method (HBW 10/3000)	ASTM E10
333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness by Brinell method (HBW 10/3000)	IS 1500 (Part 1)
334	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness by Brinell method (HBW 10/3000)	ISO 6506 -1
335	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness by Brinell method (HBW 10/500)	IS 1500 (Part 1)
336	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness by Brinell method (HBW 2.5/187.5)	ASTM E10
337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness by Brinell method (HBW 2.5/187.5)	IS 1500 (Part 1)



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338	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness by Brinell method (HBW 2.5/187.5)	ISO 6506-1
339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness by Brinell method (HBW 5/750)	ASTM E10
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness by Brinell method (HBW 5/750)	IS 1500 (Part 1)
341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hardness by Brinell method (HBW 5/750)	ISO 6506-1
342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Izod Impact @ room temperature	IS : 1598
343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Izod Impact Test @ RT	B.S. 131 : Part 1
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 0.05)	ASTM E384
345	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 0.05)	IS 1501 (Part 1)
346	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 0.05)	ISO 6507-1



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347	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 0.1)	ASTM E384
348	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 0.1)	IS 1501 (Part 1)
349	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 0.1)	ISO 6507-1
350	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 0.2)	ASTM E384
351	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 0.2)	IS 1501 (Part 1)
352	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 0.2)	ISO 6507-1
353	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 0.3)	ASTM E384
354	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 0.3)	IS 1501 (Part 1)
355	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 0.3)	ISO 6507-1



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356	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 0.5)	ASTM E384
357	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 0.5)	IS 1501 (Part 1)
358	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 0.5)	ISO 6507-1
359	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 1)	ASTM E384
360	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 1)	IS 1501 (Part 1)
361	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 1)	ISO 6507-1
362	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 30)	ASTM E92
363	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness HRA	ASTM E18
364	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness HRA	IS 1586 (Part 1)



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365	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness HRA	ISO 6508-1
366	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness HRBW	ASTM E18
367	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness HRBW	IS 1586 (Part 1)
368	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness HRBW	ISO 6508-1
369	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness HRC	ASTM E18
370	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness HRC	IS 1586 (Part 1)
371	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness HRC	ISO 6508-1
372	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 15N	ASTM E18
373	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 15N	IS 1586 (Part 1)



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374	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 15N	ISO 6508-1
375	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 15TW	ASTM E18
376	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 15TW	IS 1586 (Part 1)
377	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 15TW	ISO 6508-1
378	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 30N	ASTM E18
379	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 30N	IS 1586 (Part 1)
380	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 30N	ISO 6508-1
381	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 30TW	ASTM E18
382	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 30TW	IS 1586 (Part 1)



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383	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 30TW	ISO 6508-1
384	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 45N	ASTM E18
385	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 45N	IS 1586 (Part 1)
386	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 45N	ISO 6508-1
387	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 45TW	ASTM E18
388	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 45TW	IS 1586 (Part 1)
389	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Superficial Hardness HR 45TW	ISO 6508-1
390	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Elongation)	ASTM E8/E8M
391	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Elongation)	IS 1608 (Part 1)



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392	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Elongation)	ISO 6892-1
393	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Reduction Area)	ASTM E8/E8M
394	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Reduction Area)	IS 1608 (Part 1)
395	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Reduction Area)	ISO 6892-1
396	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Ultimate Tensile Strength)	ASTM E8/E8M
397	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Ultimate Tensile Strength)	IS 1608 (Part 1)
398	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Ultimate Tensile Strength)	ISO 6892-1
399	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Yield Stress, 0.01% to 1% Proof Stress, 0.5% EUL to 0.8%EUL)	ASTM E8/E8M
400	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Yield Stress, 0.01% to 1% Proof Stress, 0.5% EUL to 0.8%EUL)	IS 1608 (Part 1)



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401	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Yield Stress, 0.01% to 1% Proof Stress, 0.5% EUL to 0.8%EUL)	ISO 6892-1
402	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test at elevated temperature (Elongation)	ASTM E21
403	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile test at elevated temperature (Elongation)	ISO 6892-2
404	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test at elevated temperature (Reduction area)	ASTM E21
405	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test at elevated temperature (Reduction Area)	ISO 6892-2
406	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test at elevated temperature (Ultimate Tensile Strength)	ASTM E21
407	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test at elevated temperature (Ultimate Tensile Strength)	ISO 6892-2
408	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test at elevated temperature (Yield Stress 0.01% to 1% Proof Stress)	ASTM E21
409	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test at elevated temperature (Yield Stress 0.01% to 1% Proof Stress)	ISO 6892-2



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410	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV 10)	ASTM E92
411	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV 10)	IS 1501 (Part 1)
412	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV 10)	ISO 6507-1
413	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV 30)	IS 1501 (Part 1)
414	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV 30)	ISO 6507-1
415	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV 5)	ASTM E92
416	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV 5)	IS 1501 (Part 1)
417	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV 5)	ISO 6507-1
418	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials -Tube	Flanging Test	IS 2330



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419	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-Tube	Bend Test	ISO 8491
420	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-Tube	Drift Expansion	IS 2335
421	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-Tube	Drift Expansion Test	ISO 8493
422	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-Tube	Flattening Test	IS 2328
423	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials-Tube	Flattening Test	ISO 8492
424	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic tubes	Bend Test	IS 2329
425	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforced Deformed Steel(Bars & Wires)	Rebend Test	IS 1786
426	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Sreel Products	Crushing Test	ASTM A370
427	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless Steel - Fasteners (Nut)	Proof Load	ISO 3506 (Part 2)



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428	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates	Through Thickness test-% of reduction area	ASTM A770-2003
429	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products	All weld tensile Test (Elongation)	ASTM A370
430	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products	All weld tensile Test (Reduction Area)	ASTM A370
431	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products	All weld tensile Test (Ultimate Tensile Strength)	ASTM A370
432	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products	All weld tensile Test (Yield Stress : 0.01% to 1% Proof Stress,0.5% EUL)	ASTM A370
433	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Bend Test	ASTM A370
434	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products	Charpy Impact V notch (Temp : -196°C to 30 °C)	ASTM A370
435	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products	Flanging Test	ASTM A370
436	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Flaring Test	ASTM A370



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437	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products	Flattening Test	ASTM A370
438	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products	Proof Load- Bolt	ASTM A370
439	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Reverse Flattening Test	ASTM A370
440	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Tensile Test (Elongation)	ASTM A370
441	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Tensile Test (Reduction Area)	ASTM A370
442	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products	Tensile Test (Ultimate Tensile Strength)	ASTM A370
443	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products	Tensile Test (Yield Stress, 0.01% to 1% Proof Stress, 0.5% EUL to 0.8% EUL)	ASTM A370
444	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products-Pipe	Bend Test	ASTM A370
445	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel tubes	Crushing Test	IS 3601



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446	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel- Fasteners	Proof Load	ASTM F606/F606M
447	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels	Jominy end quench hardenability (Distance 1.5mm to 55.0mm)	IS 3848
448	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels	Jominy end quench hardenability (Distance 1.5mm to 60mm)	ASTM A255
449	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Bend Test	API 1104
450	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in metallic Materials	Bend Test	ASME Sec IX (QW-160,QB-160))
451	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Bend Test	ISO 5173
452	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Charpy Impact test	ASME Sec VIII (DIV I , UG 84)
453	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Fracture Test	ISO 9017
454	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Fracture Tests	ASME SEC IX (QW -182)



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455	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Mock-up (Pull out) Test	ASME SEC IX(QW-193)
456	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Nick Break Test	IS 2825
457	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Peel Test	ASME Sec IX(QW 197, QB170)
458	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Shear test	ASME Sec IX (QW-197)
459	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Tensile Test (Ultimate Tensile Strength)	API 1104
460	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Tensile Test (Ultimate Tensile Strength)	ASME Sec IX(QW 150,QB150)
461	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Tensile Test (Ultimate Tensile Strength)	ISO 4136
462	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in Metallic Materials	Tensile Test (Yield Stress)	ISO 4136
463	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in steel	Bend Test	AWS D1.1



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464	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in steel	Tensile Test (Ultimate Tensile Strength)	AWS D1.1
465	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds in steel	Tensile Test (Yield Stress)	AWS D1.1
466	MECHANICAL-METALLOGRAPHY TEST	Austenitic stainless steel	Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels, test practice " A "	ASTM A262-2015
467	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels, test practice " B "	ASTM A262-2015
468	MECHANICAL-METALLOGRAPHY TEST	Austenitic stainless steel	Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels, test practice " C "	ASTM A262-2015
469	MECHANICAL-METALLOGRAPHY TEST	Austenitic stainless steel	Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels, test practice " E "	ASTM A262-2015
470	MECHANICAL-METALLOGRAPHY TEST	Austenitic stainless steel	Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels, test practice " F "	ASTM A262-2015
471	MECHANICAL-METALLOGRAPHY TEST	Case hardened steel	Case Depth by hardness Traverse method	IS 6416
472	MECHANICAL-METALLOGRAPHY TEST	Cast Irons	Designation of microstructure of graphite in cast iron	IS : 7754



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473	MECHANICAL-METALLOGRAPHY TEST	Cast Irons	Evaluating the Microstructure of Graphite in Iron Castings	ASTM A247
474	MECHANICAL-METALLOGRAPHY TEST	Cast Irons	Microstructure of cast irons	ISO 945-1
475	MECHANICAL-METALLOGRAPHY TEST	Duplex, Austenite/Ferrite stainless steel	Detecting Detrimental Intermetallic Phase test method A	ASTM A923
476	MECHANICAL-METALLOGRAPHY TEST	Duplex, Austenite/Ferrite stainless steel	Detecting Detrimental Intermetallic Phase test method C	ASTM A923
477	MECHANICAL-METALLOGRAPHY TEST	Ferritic, austenitic and ferritic-austenitic (duplex) stainless steels	Determination of Resistance to intergranular corrosion of stainless steels Method A	EN ISO 3651- 2
478	MECHANICAL-METALLOGRAPHY TEST	Ferritic, austenitic and ferritic-austenitic (duplex) stainless steels	Determination of Resistance to intergranular corrosion of stainless steels Method B	ISO 3651-2
479	MECHANICAL-METALLOGRAPHY TEST	Ferritic, austenitic and ferritic-austenitic (duplex) stainless steels	Determination of Resistance to intergranular corrosion of stainless steels Method C	ISO 3651-2
480	MECHANICAL-METALLOGRAPHY TEST	Ferritic/Austenitic(Duplex) stainless steel	Detecting Detrimental Intermetallic Phase test	BS EN ISO 17781
481	MECHANICAL-METALLOGRAPHY TEST	Ferritic/Austenitic(Duplex) stainless steel	Determining Volume Fraction by Systematic Manual Point Count	BS EN ISO 17781
482	MECHANICAL-METALLOGRAPHY TEST	Ferritic/Austenitic(Duplex) stainless steel	Pitting corrosion test	BS EN ISO 17781



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483	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Macroetch Testing of Consumable Electrode Remelted Steel Bars and Billets	ASTM A604/A604M-2007
484	MECHANICAL-METALLOGRAPHY TEST	Ferrous Product	Testing Local Thickness Of Electroplated Coatings by microscopic method	IS 3203
485	MECHANICAL-METALLOGRAPHY TEST	Magnetic Material	Measurement of Coating Thicknesses by the Magnetic Method	ASTM B499
486	MECHANICAL-METALLOGRAPHY TEST	Martensitic Carbon and Alloy steels	Degree of Banding or Orientation of Microstructures	ASTM E 1268
487	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Determining Average Grain Size	ASTM E112
488	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Determining Volume Fraction by Systematic Manual Point Count	ASTM E562
489	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Micro Structure Analysis	ASM Handbook Vol 9
490	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Sulphide Stress Corrosion Cracking (SSCC) (Method A,B & C)	NACE TM0177
491	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Characterizing Duplex Grain Sizes	ASTM E1181-2002
492	MECHANICAL-METALLOGRAPHY TEST	Painted, Plated, Coated Panels & Products	Determination of coating thickness by microscopic method(Method 4)	IS 101 (Part 3/sec2) - Method 4
493	MECHANICAL-METALLOGRAPHY TEST	Pipeline and Pressure Vessel Steels	Hydrogen Induced Cracking Test(HIC)	NACE TM0284



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494	MECHANICAL-METALLOGRAPHY TEST	Special Steels	Determination of content of non-metallic inclusions	DIN 50602
495	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Estimating Ferrite Content by ferritoscope	ASTM A800/800M
496	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Estimating Ferrite Content by Ferritoscope	ASTM A800/800M
497	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Related Alloys	Crevice corrosion test :Practice B- Ferric chloride crevice test	ASTM G48
498	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Related Alloys	Critical crevice temperature test : Practice D	ASTM G48
499	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Related Alloys	Critical crevice temperature test : Practice F	ASTM G48
500	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Related Alloys	Critical pitting temperature test : Practice C	ASTM G48
501	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Related Alloys	Critical pitting temperature test : Practice E	ASTM G48
502	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Related Alloys	Pitting corrosion test :Practice A- Ferric chloride pitting test	ASTM G48
503	MECHANICAL-METALLOGRAPHY TEST	Steel	Estimating the Depth of Decarburization	ASTM E1077
504	MECHANICAL-METALLOGRAPHY TEST	Steel	Measuring Case Depth by microscopic method	IS 6416
505	MECHANICAL-METALLOGRAPHY TEST	Steel	Measuring Decarburized Depth by microscopic method	IS 6396



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506	MECHANICAL-METALLOGRAPHY TEST	Steel Bars, Billets, Blooms, and Forgings	Macroetch test for wrought steel products	IS 11371
507	MECHANICAL-METALLOGRAPHY TEST	Steel Bars, Billets, Blooms, and Forgings	Macroetch Testing	ASTM E381
508	MECHANICAL-METALLOGRAPHY TEST	Steel, nickel, titanium and their alloys	Macro Structure Analysis	BS EN ISO 5817
509	MECHANICAL-METALLOGRAPHY TEST	Steels	Determination of content of non-metallic inclusions	BS EN ISO 10247
510	MECHANICAL-METALLOGRAPHY TEST	Steels	Determination of content of non-metallic inclusions	IS 4163
511	MECHANICAL-METALLOGRAPHY TEST	Steels	Determination of content of non-metallic inclusions	ISO 4967
512	MECHANICAL-METALLOGRAPHY TEST	Steels	Determination of the apparent Grain Size	EN ISO 643
513	MECHANICAL-METALLOGRAPHY TEST	Steels	Determination of the apparent Grain Size	IS 4748
514	MECHANICAL-METALLOGRAPHY TEST	Steels	Determining the Inclusion Content	ASTM E45
515	MECHANICAL-METALLOGRAPHY TEST	Steels	Determining the inclusion rating	SEP 1572
516	MECHANICAL-METALLOGRAPHY TEST	Steels	Macro Structure Analysis	AWS D1.1
517	MECHANICAL-METALLOGRAPHY TEST	Steels	Macro Structure Analysis	BS EN ISO 9606-1



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518	MECHANICAL-METALLOGRAPHY TEST	Steels	Microscopic examination of carbide structure in steels	SEP 1520
519	MECHANICAL-METALLOGRAPHY TEST	Steels, Nickel and Nickel alloy	Macro & Micro Structure Analysis	EN ISO 15614-1-2017
520	MECHANICAL-METALLOGRAPHY TEST	Thermal spray coated products	Determination of area % porosity (Method A)	ASTM E2109:2001
521	MECHANICAL-METALLOGRAPHY TEST	Welds in Metallic Materials	Macro & Micro Structure Analysis	ASME Sec IX
522	MECHANICAL-METALLOGRAPHY TEST	Welds in Metallic Materials	Macro & Micro Structure Analysis	IS 2825
523	MECHANICAL-METALLOGRAPHY TEST	Welds in Metallic Materials	Macro Structure Analysis	API 1104
524	MECHANICAL-METALLOGRAPHY TEST	Welds in Metallic Materials	Macro Structure Analysis	ASME SEC VIII, DIV I
525	MECHANICAL-METALLOGRAPHY TEST	Welds in Metallic Material	Macro & Micro structure analysis	EN ISO 17639
526	MECHANICAL-METALLOGRAPHY TEST	Wrought Nickel, rich Chromium Bearing alloys	Detecting Susceptibility to Intergranular Corrosion Test, Practice A	ASTM G28
527	MECHANICAL-METALLOGRAPHY TEST	Wrought Nickel, rich Chromium Bearing alloys	Detecting Susceptibility to Intergranular Corrosion Test, Practice B	ASTM G28
528	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Fibre reinforced plastic products	Barcol Hardness	ASTM D 2583
529	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Fibre reinforced plastic products	Charpy Impact Strength	ASTM D6110



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530	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Fibre reinforced plastic products	Compressive Properties of Rigid Plastics	ASTM D695
531	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Fibre reinforced Plastic Products	Deflection Temperature of Plastics (Heat Deflection Temperature - HDT)	ASTM D648
532	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Fibre reinforced plastic products	Density and Specific Gravity (Relative Density) of Plastics by Displacement	ASTM D792
533	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Fibre reinforced plastic products	Flexural Strength	ASTM D790
534	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Fibre reinforced plastic products	Izod Impact Strength	ASTM D256
535	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Fibre reinforced plastic products	Specific Gravity	ASTM D792
536	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Fibre reinforced plastic products	Tensile Properties of Plastics-Elongation at break	ASTM D638
537	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Fibre reinforced plastic products	Tensile Properties of Plastics-Tensile Strength at break	ASTM D638
538	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Fibre reinforced plastic products	Vicat Softening Temperature of Plastics	ASTM D1525
539	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Fibre reinforced plastic products	Water Absorption	ASTM D570
540	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Fibre reinforced plastics products	Vicat Softening Temperature(VST)	DIN EN ISO 306



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541	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Charpy Impact Strength	ASTM D6110
542	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Compressive Properties of Rigid Plastics	ASTM D695
543	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Deflection Temperature of Plastics (Heat Deflection Temperature-HDT)	ASTM D648
544	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Density and Specific Gravity (Relative Density) of Plastics by Displacement	ASTM D792
545	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Density and Specific Gravity (Relative Density) of Plastics by Displacement	ASTM D792
546	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Durometer Hardness-Shore A	ASTM D2240-2015
547	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Durometer Hardness-Shore D	ASTM D2240-2015
548	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Izod Impact Strength	ASTM D256
549	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Melt Flow Rate	ASTM D1238
550	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Peel Adhesion of Pressure-Sensitive Tape	ASTM D3330/D3330M-2004
551	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Tensile Properties of Plastics- Tensile Strength at break	ASTM D638



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552	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Tensile Properties of Plastics-Elongation at break	ASTM D638
553	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Tensile Properties of Thin Plastic Sheeting-Elongation at Break	ASTM D882
554	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Tensile Properties of Thin Plastic Sheeting-Tensile Strength at break	ASTM D882
555	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Vicat softening temperature (VST)	DIN EN ISO 306
556	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Vicat Softening Temperature of Plastics	ASTM D1525
557	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic materials & products	Water Absorption of Plastics	ASTM D570
558	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Thermoplastic & elastomeric insulation & sheath	Tensile Properties of Plastics-Elongation at break	IS : 10810 (Part 7)
559	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Thermoplastic & elastomeric insulation & sheath	Tensile Properties of Plastics-Tensile Strength at break	IS : 10810 (Part 7)
560	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Unreinforced and Reinforced Plastics and Electrical Insulating Materials	Flexural Properties	ASTM D790
561	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Conventional Vulcanized Rubber and Thermoplastic Elastomers	Tear Strength	ASTM D624-2000
562	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber & Rubber products	Compression Set- Method B	ASTM D395-2018
563	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber & Rubber products	Elongation at break	ASTM D412-2016



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564	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber & Rubber products	Tensile strength at break	ASTM D412 -2016
565	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Tensile Stress-Strain Properties - Tensile strength at break	ISO 37
566	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Determination of Density	IS 3400 (Part 9)
567	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Tensile Stress - Strain Properties -Tensile Strength at Break	IS 3400 (Part 1)
568	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Accelerated Ageing and Heat Resistance	ISO 188
569	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Accelerated Ageing at 40°C to 250°C	IS 3400 (Part 4)
570	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Compression set at ambient & elevated temperature	ISO 815-1
571	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Compression set at ambient & elevated temperature	IS 3400 (Part -10/Sec1)
572	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Compression Set at Low Temperature	IS 3400 (Part 10/Sec2)
573	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Determination of Density	ISO 2781
574	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Determination of Effect of Liquids - Resistance to Liquids	IS 3400 (Part 6)
575	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Determination of the Effect of Liquids	ISO 1817



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576	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Determination of the Effect of Liquids - Dimensional Change	IS 3400 (Part 6)
577	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Determination of the Effect of Liquids - Dimensional Change	ISO 1817
578	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Determination of the Effect of Liquids - Volume Change	IS 3400 (Part 6)
579	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Determination of the Effect of Liquids-Volume Change	ISO 1817
580	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Durometer Hardness Shore A	ASTM D2240-2015
581	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Durometer Hardness Shore A	IS 3400 (Part 23/Sec1)
582	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Resistance to Ozone Cracking - Static Strain Test	IS 3400 (Part 20)
583	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Tensile Stress-Strain Properties- Elongation at Break	IS 3400 (Part 1)
584	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Product Test Slab/Button	Tensile Stress-Strain Properties- Elongation at Break	ISO 37
585	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Thermoplastic, elastomeric insulation & sheath	Tensile properties of rubber-Elongation at break	IS 10810 (Part 7)
586	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Thermoplastic, elastomeric insulation & sheath	Tensile properties of rubber-Tensile strength	IS 10810 (Part 7)



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PIMPRI CHINCHWAD, INDUSTRIAL AREA, PUNE, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

NABLT0626MH18488

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Validity

15/04/2026 to 14/04/2030

Last Amended on

29/06/2026

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 Testing				
1	CHEMICAL- METALS & ALLOYS	Cobalt Alloys	Chromium	WI/PMI/01, Issue No 04 Dec 05
2	CHEMICAL- METALS & ALLOYS	Cobalt Alloys	Cobalt	WI/PMI/01, Issue No 04 Dec 05
3	CHEMICAL- METALS & ALLOYS	Cobalt Alloys	Iron	WI/PMI/01, Issue No 04 Dec 05
4	CHEMICAL- METALS & ALLOYS	Cobalt Alloys	Molybdenum	WI/PMI/01, Issue No 04 Dec 05
5	CHEMICAL- METALS & ALLOYS	Cobalt Alloys	Tungsten	WI/PMI/01, Issue No 04 Dec 05
6	CHEMICAL- METALS & ALLOYS	Iron & its Alloys	Chromium	WI/PMI/01, Issue No 04 Dec 05
7	CHEMICAL- METALS & ALLOYS	Iron & its Alloys	Manganese	WI/PMI/01, Issue No 04 Dec 05
8	CHEMICAL- METALS & ALLOYS	Iron & its Alloys	Molybdenum	WI/PMI/01, Issue No 04 Dec 05
9	CHEMICAL- METALS & ALLOYS	Iron & its Alloys	Nickel	WI/PMI/01, Issue No 04 Dec 05
10	CHEMICAL- METALS & ALLOYS	Iron & its Alloys	Niobium	WI/PMI/01, Issue No 04 Dec 05
11	CHEMICAL- METALS & ALLOYS	Iron & its Alloys	Titanium	WI/PMI/01, Issue No 04 Dec 05
12	CHEMICAL- METALS & ALLOYS	Iron & its Alloys	Vanadium	WI/PMI/01, Issue No 04 Dec 05
13	CHEMICAL- METALS & ALLOYS	Titanium & its Alloys	Iron	WI/PMI/01, Issue No 04 Dec 05
14	CHEMICAL- METALS & ALLOYS	Titanium & its Alloys	Molybdenum	WI/PMI/01, Issue No 04 Dec 05
15	CHEMICAL- METALS & ALLOYS	Titanium & its Alloys	Vanadium	WI/PMI/01, Issue No 04 Dec 05