



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

TCR ENGINEERING SERVICES 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

VKB HOUSE, PLOT NO. EL 182, MIDC TTC, INDUSTRIAL AREA, ELECTRONIC ZONE MAHAPE NAVI
MUMBAI MAHARASHTRA, NAVI MUMBAI, , MAHARASHTRA, INDIA

in the field of

TESTING

Certificate Number: TC-6905

Issue Date: 03/03/2024

Valid Until: 02/03/2026

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: TCR ENGINEERING SERVICES PVT. LTD.

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TCR ENGINEERING SERVICES PVT LTD, VKB HOUSE, PLOT NO. EL 182, MIDC TTC,
INDUSTRIAL AREA, ELECTRONIC ZONE MAHAPE NAVI MUMBAI MAHARASHTRA, NAVI
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14/06/2024

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- CORROSION TESTS	Metallic Material	Salt Spray Test	ISO 9227
2	CHEMICAL- CORROSION TESTS	Metallic Materials	Acetic Acid Salt Spray Test	IS 6910
3	CHEMICAL- CORROSION TESTS	Metallic Materials	Copper-Accelerated Acetic Acid-Salt Spray (Fog) CASS Test	ASTM B368
4	CHEMICAL- CORROSION TESTS	Metallic Materials	Salt Spray (Fog) Test	ASTM B117
5	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Bromine	IEC 62321 -3-1
6	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Cadmium	IEC 62321-3-1
7	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Cadmium	IS 16197 (Part 3, Sec 1)
8	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Chromium	IEC 62321-3-1
9	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Chromium	IS 16197 (Part 3, Sec 1)
10	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Lead	IEC 62321-3-1
11	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Lead	IS 16197 (Part 3, Sec 1)
12	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Mercury	IEC 62321-3-1
13	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Mercury	IS 16197 (Part 3, Sec 1)
14	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Bromine	IEC 62321 -3-1:



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15	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Cadmium	IEC 62321-3-1
16	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Cadmium	IS 16197 (Part 3, Sec 1)
17	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Chromium	IEC 62321-3-1
18	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Chromium	IS 16197 (Part 3, Sec 1)
19	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Lead	IEC 62321-3-1
20	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Lead	IS 16197 (Part 3, Sec 1)
21	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Mercury	IEC 62321-3-1
22	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Mercury	IS 16197 (Part 3, Sec 1)
23	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Bromine	IEC 62321 -3-1
24	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Cadmium	IEC 62321-3-1; 2013, IEC 62321-5
25	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Cadmium	IS 16197 (Part 3, Sec 1)/IS 16197 (Part 5)
26	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Chromium	IEC 62321 -3-1
27	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Chromium	IS 16197 (Part 3, Sec 1)/ IS 16197 (Part 5):
28	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Lead	IEC 62321-3-1, IEC 62321-5



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29	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Lead	IS 16197 (Part 3, Sec 1):2014/ IS 16197 (Part 5):2014
30	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Mercury	IEC 62321-3-1; 2013, IEC 62321-4
31	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Mercury	IS 16197 (Part 3, Sec 1):2014, / IS 16197 (Part 4):2014
32	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Bromine	IEC 62321 -3-1:
33	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Cadmium	IEC 62321-3-1
34	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Cadmium	IS 16197 (Part 3: Sec 1)
35	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Chromium	IEC 62321-3-1
36	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Chromium	IS 16197 (Part 3: Sec 1)
37	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Lead	IEC 62321-3-1
38	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Lead	IS 16197 (Part 3: Sec 1)
39	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Mercury	IEC 62321-3-1
40	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Mercury	IS 16197 (Part 3: Sec 1)
41	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues	Bromine	IEC 62321 -3-1
42	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues	Cadmium	IS 16197 (Part 3, Sec 1)



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43	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues	Chromium	IS 16197 (Part 3, Sec 1)
44	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues	Lead	IS 16197 (Part 3, Sec 1)
45	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues	Mercury	IS 16197 (Part 3, Sec 1)
46	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues,	Cadmium	IEC 62321-3-1
47	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues,	Chromium	IEC 62321-3-1
48	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues,	Lead	IEC 62321-3-1
49	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues,	Mercury	IEC 62321-3-1
50	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Bromine	IEC 62321-3-1
51	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Cadmium	IEC 62321 -3-1
52	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Cadmium	IS 16197 (Part 3: Sec 1)
53	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Chromium	IEC 62321-3-1
54	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Chromium	IS 16197 (Part 3, Sec 1)
55	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Lead	IEC 62321-3-1
56	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Lead	IS 16197 (Part 3-Sec 1)



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57	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Mercury	IEC 62321-3-1
58	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Mercury	IS 16197 (Part 3, Sec 1)
59	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Boron	TCR-TM-ICP-03-AI Issue No. 2
60	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Cadmium	TCR-TM-AAS-03-AI Issue No. 2
61	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Cadmium	TCR-TM-ICP-03-AI Issue No. 2
62	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	TCR-TM-AAS-03-AI Issue No. 2
63	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	TCR-TM-ICP-03-AI Issue No. 2
64	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	ASTM E1251
65	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	TCR-TM-AAS-03-AI Issue No. 2
66	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	TCR-TM-ICP-03-AI Issue No. 2
67	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	TCR-TM-AAS-03-AI Issue No. 2
68	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead	ASTM E1251
69	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead	TCR-TM-AAS-03-AI Issue No. 2
70	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead	TCR-TM-ICP-03-AI Issue No. 2
71	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	TCR-TM-AAS-03-AI Issue No. 2
72	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	TCR-TM-ICP-03-AI Issue No. 2
73	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	TCR-TM-AAS-03-AI Issue No. 2
74	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	TCR-TM-ICP-03-AI Issue No. 2



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75	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel	TCR-TM-AAS-03-AI Issue No. 2
76	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel	TCR-TM-ICP-03-AI Issue No. 2
77	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	IS 504 (Part 1)
78	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin	ASTM E1251
79	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium	TCR-TM-AAS-03-AI Issue No. 2
80	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium	TCR-TM-ICP-03-AI Issue No. 2
81	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Vanadium	TCR-TM-AAS-03-AI Issue No. 2
82	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	ASTM E1251
83	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	TCR-TM-AAS-03-AI Issue No. 2
84	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	TCR-TM-ICP-03-AI Issue No. 2
85	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zirconium	TCR-TM-ICP-03-AI Issue No. 2
86	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Iron	TCR-TM-ICP-03-AI Issue No. 2
87	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Tin	TCR-TM-AAS-03-AI Issue No. 2
88	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Tin	TCR-TM-ICP-03-AI Issue No. 2
89	CHEMICAL- METALS & ALLOYS	Aluminum & its alloys	Vanadium	TCR-TM-ICP-03-AI Issue No. 2
90	CHEMICAL- METALS & ALLOYS	Aluminum and its alloys	Antimony	ASTM E1251
91	CHEMICAL- METALS & ALLOYS	Aluminum and its alloys	Chromium	ASTM E1251
92	CHEMICAL- METALS & ALLOYS	Aluminum and its alloys	Iron	ASTM E1251
93	CHEMICAL- METALS & ALLOYS	Aluminum and its alloys	Magnesium	ASTM E1251



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94	CHEMICAL- METALS & ALLOYS	Aluminum and its alloys	Manganese	ASTM E1251
95	CHEMICAL- METALS & ALLOYS	Aluminum and its alloys	Nickel	ASTM E1251
96	CHEMICAL- METALS & ALLOYS	Aluminum and its alloys	Silicon	ASTM E1251
97	CHEMICAL- METALS & ALLOYS	Aluminum and its alloys	Titanium	ASTM E1251
98	CHEMICAL- METALS & ALLOYS	Aluminum and its alloys	Zirconium	ASTM E1251
99	CHEMICAL- METALS & ALLOYS	Aluminum and its alloys	Zirconium	TCR-TM-AAS-03-AI Issue No. 2
100	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Aluminium	ASTM E415
101	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Aluminium	IS 8811
102	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Antimony	ASTM E415
103	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Boron	ASTM E415
104	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Boron	IS 8811
105	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Carbon	ASTM E415
106	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Carbon	IS 8811
107	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Chromium	ASTM E415
108	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Chromium	IS 8811
109	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Cobalt	ASTM E415
110	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Cobalt	IS 8811
111	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Copper	ASTM E415
112	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Copper	IS 8811



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113	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Lead	ASTM E415
114	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Manganese	ASTM E415
115	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Manganese	IS 8811
116	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Molybdenum	ASTM E415
117	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Molybdenum	IS 8811
118	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Nickel	ASTM E415
119	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Nickel	IS 8811
120	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Niobium	ASTM E415
121	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Niobium	IS 8811
122	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Nitrogen	ASTM E415
123	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Phosphorus	ASTM E415
124	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Phosphorus	IS 8811
125	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Silicon	ASTM E415
126	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Silicon	IS 8811
127	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Sulfur	ASTM E415
128	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Sulfur	IS 8811
129	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Tantalum	TCR/TM-03-OES Issue No. 3
130	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Tin	ASTM E415
131	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Tin	IS 8811



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132	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Titanium	ASTM E415
133	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Titanium	IS 8811
134	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Tungsten	TCR/TM-03-OES Issue No. 3
135	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Vanadium	ASTM E415
136	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Vanadium	IS 8811
137	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Zirconium	ASTM E415
138	CHEMICAL- METALS & ALLOYS	Carbon Steel & Alloy Steel	Zirconium	IS 8811
139	CHEMICAL- METALS & ALLOYS	Carbon Steel, Low-Alloy Steel, Silicon Electrical Steel, Ingot Iron, and Wrought Iron	Aluminium	ASTM E350
140	CHEMICAL- METALS & ALLOYS	Carbon Steel, Low-Alloy Steel, Silicon Electrical Steel, Ingot Iron, and Wrought Iron	Chromium	ASTM E350
141	CHEMICAL- METALS & ALLOYS	Carbon Steel, Low-Alloy Steel, Silicon Electrical Steel, Ingot Iron, and Wrought Iron	Copper	ASTM E350
142	CHEMICAL- METALS & ALLOYS	Carbon Steel, Low-Alloy Steel, Silicon Electrical Steel, Ingot Iron, and Wrought Iron	Manganese	ASTM E350
143	CHEMICAL- METALS & ALLOYS	Carbon Steel, Low-Alloy Steel, Silicon Electrical Steel, Ingot Iron, and Wrought Iron	Nickel	ASTM E350
144	CHEMICAL- METALS & ALLOYS	Carbon Steel, Low-Alloy Steel, Silicon Electrical Steel, Ingot Iron, and Wrought Iron	Phosphorus	ASTM E350
145	CHEMICAL- METALS & ALLOYS	Carbon Steel, Low-Alloy Steel, Silicon Electrical Steel, Ingot Iron, and Wrought Iron	Silicon	ASTM E350
146	CHEMICAL- METALS & ALLOYS	Carbon Steel, Low-Alloy Steel, Silicon Electrical Steel, Ingot Iron, and Wrought Iron	Vanadium	ASTM E350
147	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1999
148	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E1999
149	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E1999
150	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E1999



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151	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E1999
152	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E1999
153	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E1999
154	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999
155	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur	ASTM E1999
156	CHEMICAL- METALS & ALLOYS	Cast Iron	Tin	ASTM E1999
157	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	ASTM E1999
158	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	ASTM E1999
159	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminium	BS EN 15079
160	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminum	TCR-TM-AAS-02-Cu Issue No. 2
161	CHEMICAL- METALS & ALLOYS	Copper & Its alloys	Aluminum	TCR-TM-ICP-02-Cu Issue No. 2
162	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Antimony	BS EN 15079
163	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Antimony	TCR-TM-AAS-02-Cu Issue No. 2
164	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Antimony	TCR-TM-ICP-02-Cu Issue No. 2
165	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Arsenic	BS EN 15079
166	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Arsenic	TCR-TM-ICP-02-Cu Issue No. 2
167	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Beryllium	BS EN 15079
168	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Beryllium	TCR-TM-AAS-02-Cu Issue No. 2
169	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Beryllium	TCR-TM-ICP-02-Cu Issue No. 2



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170	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Bismuth	BS EN 15079
171	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Bismuth	TCR-TM-AAS-02-Cu Issue No. 2
172	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Cadmium	BS EN 15079
173	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Cadmium	TCR-TM-AAS-02-Cu Issue No. 2
174	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Cadmium	TCR-TM-ICP-02-Cu Issue No. 2
175	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Carbon	ASTM E1019
176	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Chromium	BS EN 15079
177	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Chromium	TCR-TM-AAS-02-Cu Issue No. 2
178	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Chromium	TCR-TM-ICP-02-Cu Issue No. 2
179	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Cobalt	BS EN 15079
180	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Cobalt	TCR-TM-AAS-02-Cu Issue No. 2
181	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Cobalt	TCR-TM-ICP-02-Cu Issue No. 2
182	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Copper	IS 3685
183	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Copper	IS 4027 (Part 1)
184	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Copper	IS 440
185	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	BS EN 15079
186	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	IS 3685
187	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	TCR-TM-AAS-02-Cu Issue No. 2
188	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	TCR-TM-ICP-02-Cu Issue No. 2



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189	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	ASTM E478
190	CHEMICAL- METALS & ALLOYS	Copper & Its Alloys	Lead	BS EN 15079
191	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	IS 3685
192	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	IS 4027 (Part 1)
193	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	TCR-TM-AAS-02-Cu Issue No. 2
194	CHEMICAL- METALS & ALLOYS	Copper & Its alloys	Lead	TCR-TM-ICP-02-Cu Issue No. 2
195	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese	BS EN 15079
196	CHEMICAL- METALS & ALLOYS	copper & its alloys	Manganese	TCR-TM-AAS-02-Cu Issue No. 2
197	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese	TCR-TM-ICP-02-Cu Issue No. 2
198	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Mercury	TCR-TM-ICP-02-Cu Issue No. 2
199	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	ASTM E478
200	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	BS EN 15079
201	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	TCR-TM-AAS-02-Cu Issue No. 2
202	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	TCR-TM-ICP-02-Cu Issue No. 2
203	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorus	BS EN 15079
204	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorus	IS 4027 (Part 3)
205	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorus	IS 3685
206	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Selenium	TCR-TM-AAS-02-Cu Issue No. 2
207	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Selenium	TCR-TM-ICP-02-Cu Issue No. 2



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208	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	BS EN 15079
209	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	IS 4027 (Part 10)
210	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silver	BS EN 15079
211	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silver	TCR-TM-AAS-02-Cu Issue No. 2
212	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Sulfur	ASTM E1019
213	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Sulfur	BS EN 15079
214	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tellurium	TCR-TM-AAS-02-Cu Issue No. 2
215	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tellurium	TCR-TM-ICP-02-Cu Issue No. 2
216	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin	BS EN 15079
217	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin	TCR-TM-AAS-02-Cu Issue No. 2
218	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin	TCR-TM-ICP-02-Cu Issue No. 2
219	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	ASTM E478
220	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	BS EN 15079
221	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	TCR-TM-AAS-02-Cu Issue No. 2
222	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	TCR-TM-ICP-02-Cu Issue No. 2
223	CHEMICAL- METALS & ALLOYS	identification Metallic material by portable XRF analyzer	Chromium	ASTM E1476(Qualitative)
224	CHEMICAL- METALS & ALLOYS	identification Metallic material by portable XRF analyzer	Cobalt	ASTM E1476 (Qualitative)
225	CHEMICAL- METALS & ALLOYS	identification Metallic material by portable XRF analyzer	Iron	ASTM E1476(Qualitative)
226	CHEMICAL- METALS & ALLOYS	identification Metallic material by portable XRF analyzer	Tin	ASTM E1476(Qualitative)



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227	CHEMICAL- METALS & ALLOYS	identification Metallic material by portable XRF analyzer	Titanium	ASTM E1476(Qualitative)
228	CHEMICAL- METALS & ALLOYS	identification Metallic material by portable XRF analyzer	Tungsten	ASTM E1476(Qualitative)
229	CHEMICAL- METALS & ALLOYS	identification Metallic material by portable XRF analyzer	Vanadium	ASTM E1476(Qualitative)
230	CHEMICAL- METALS & ALLOYS	identification Metallic material by portable XRF analyzer	Zinc	ASTM E1476(Qualitative)
231	CHEMICAL- METALS & ALLOYS	identification of Metallic material by portable XRF analyzer	Copper	ASTM E1476(Qualitative)
232	CHEMICAL- METALS & ALLOYS	identification of Metallic material by portable XRF analyzer	Lead	ASTM E1476(Qualitative)
233	CHEMICAL- METALS & ALLOYS	identification of Metallic material by portable XRF analyzer	Manganese	ASTM E1476 (Qualitative)
234	CHEMICAL- METALS & ALLOYS	identification of Metallic material by portable XRF analyzer	Molybdenum	ASTM E1476 (Qualitative)
235	CHEMICAL- METALS & ALLOYS	identification of Metallic material by portable XRF analyzer	Nickel	ASTM E1476(Qualitative)
236	CHEMICAL- METALS & ALLOYS	identification of Metallic material by portable XRF analyzer	Niobium	ASTM E1476(Qualitative)
237	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Aluminum	TCR-TM-AAS-01-Fe Issue No. 2
238	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Aluminum	TCR-TM-ICP-01-Fe Issue No. 2
239	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Arsenic	TCR-TM-ICP-01-Fe Issue No. 2
240	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Boron	TCR-TM-ICP-01-Fe Issue No. 2
241	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Chromium	TCR-TM-AAS-01-Fe Issue No. 2
242	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Chromium	TCR-TM-ICP-01-Fe Issue No. 2
243	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Cobalt	TCR-TM-AAS-01-Fe Issue No.2
244	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Cobalt	TCR-TM-ICP-01-Fe Issue No. 2
245	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Copper	TCR-TM-AAS-01-Fe Issue No. 2



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246	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Copper	TCR-TM-ICP-01-Fe Issue No. 2
247	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Lead	TCR-TM-AAS-01-Fe Issue No. 2
248	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Lead	TCR-TM-ICP-01-Fe Issue No. 2
249	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Magesium	TCR-TM-ICP-01-Fe Issue No. 2
250	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Magnesium	TCR-TM-AAS-01-Fe Issue No. 2
251	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Manganese	TCR-TM-AAS-01-Fe Issue No. 2
252	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Manganese	TCR-TM-ICP-01-Fe Issue No. 2
253	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Molybdenum	TCR-TM-AAS-01-Fe Issue No. 2
254	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Molybdenum	TCR-TM-ICP-01-Fe Issue No. 2
255	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Nickel	TCR-TM-AAS-01-Fe Issue No. 2
256	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Nickel	TCR-TM-ICP-01-Fe Issue No.2
257	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Niobium	TCR-TM-ICP-01-Fe Issue No. 2
258	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Tantalum	TCR-TM-ICP-01-Fe Issue No. 2
259	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Tin	TCR-TM-AAS-01-Fe Issue No. 2
260	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Tin	TCR-TM-ICP-01-Fe Issue No. 2
261	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Titanium	TCR-TM-AAS-01-Fe Issue No. 2
262	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Titanium	TCR-TM-ICP-01-Fe Issue No. 2
263	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Tungsten	TCR-TM-ICP-01-Fe Issue No. 2
264	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Vanadium	TCR-TM-AAS-01-Fe Issue No. 2



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265	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Vanadium	TCR-TM-ICP-01-Fe Issue No. 2
266	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Zirconium	TCR-TM-AAS-01-Fe Issue No. 2
267	CHEMICAL- METALS & ALLOYS	Iron base & its alloys	Zirconium	TCR-TM-ICP-01-Fe Issue No. 2
268	CHEMICAL- METALS & ALLOYS	Iron base & its alloys (Stainless steel, carbon & alloy steel, tool steel, cast iron & Other Similar Chromium-Nickel-Iron Alloys)	Carbon	ASTM E1019
269	CHEMICAL- METALS & ALLOYS	Iron base & its alloys (Stainless steel, carbon & alloy steel, tool steel, cast iron & Other Similar Chromium-Nickel-Iron Alloys)	Chromium	TCR/TM-06-(Cr-WET) Issue No. 2
270	CHEMICAL- METALS & ALLOYS	Iron base & its alloys (Stainless steel, carbon & alloy steel, tool steel, cast iron & Other Similar Chromium-Nickel-Iron Alloys)	Manganese	IS 228 (Part 02)
271	CHEMICAL- METALS & ALLOYS	Iron base & its alloys (Stainless steel, carbon & alloy steel, tool steel, cast iron & Other Similar Chromium-Nickel-Iron Alloys)	Nickel	IS 228 (Part 05)
272	CHEMICAL- METALS & ALLOYS	Iron base & its alloys (Stainless steel, carbon & alloy steel, tool steel, cast iron & Other Similar Chromium-Nickel-Iron Alloys)	Nitrogen	IS 228 (Part 19)
273	CHEMICAL- METALS & ALLOYS	Iron base & its alloys (Stainless steel, carbon & alloy steel, tool steel, cast iron & Other Similar Chromium-Nickel-Iron Alloys)	Phosphorus	IS 228 (Part 03)
274	CHEMICAL- METALS & ALLOYS	Iron base & its alloys (Stainless steel, carbon & alloy steel, tool steel, cast iron & Other Similar Chromium-Nickel-Iron Alloys)	Silicon	IS 228 (Part 08)
275	CHEMICAL- METALS & ALLOYS	Iron base & its alloys (Stainless steel, carbon & alloy steel, tool steel, cast iron & Other Similar Chromium-Nickel-Iron Alloys)	Sulfur	ASTM E1019
276	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Aluminium	TCR/TM-03-OES Issue No. 3
277	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Aluminum	ASTM E3047
278	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Aluminum	ASTM E354
279	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Aluminum	TCR-TM-AAS-04-Ni Issue No. 2
280	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Aluminum	TCR-TM-ICP-04-Ni Issue No. 2



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281	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Boron	ASTM E3047
282	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Boron	TCR/TM-03-OES Issue No. 3
283	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Boron	TCR-TM-ICP-04-Ni Issue No. 2
284	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Carbon	ASTM E1019
285	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Carbon	ASTM E3047
286	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Carbon	TCR/TM-03-OES Issue No. 3
287	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Chromium	ASTM E3047
288	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Chromium	ASTM E354
289	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Chromium	TCR/TM-03-OES Issue No. 3
290	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Chromium	TCR-TM-AAS-04-Ni Issue No. 2
291	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Chromium	TCR-TM-ICP-04-Ni Issue No. 2
292	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Cobalt	ASTM E3047
293	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Cobalt	TCR/TM-03-OES Issue No. 3
294	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Cobalt	TCR-TM-AAS-04-Ni Issue No. 2
295	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Cobalt	TCR-TM-ICP-04-Ni Issue No. 2
296	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Copper	ASTM E3047
297	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Copper	ASTM E354
298	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Copper	TCR/TM-03-OES Issue No. 3
299	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Copper	TCR-TM-AAS-04-Ni Issue No. 2



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300	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Copper	TCR-TM-ICP-04-Ni Issue No. 2
301	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Iron	ASTM E3047
302	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Iron	TCR/TM-03-OES Issue No. 3
303	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Iron	TCR-TM-AAS-04-Ni Issue No. 2
304	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Iron	TCR-TM-ICP-04-Ni Issue No. 2
305	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Lead	TCR-TM-AAS-04-Ni Issue No. 2
306	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Lead	TCR-TM-ICP-04-Ni Issue No. 2
307	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Manganese	ASTM E3047
308	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Manganese	TCR/TM-03-OES Issue No. 3
309	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Manganese	TCR-TM-AAS-04-Ni Issue No. 2
310	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Manganese	TCR-TM-ICP-04-Ni Issue No. 2
311	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Molybdenum	ASTM E3047
312	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Molybdenum	TCR/TM-03-OES Issue No. 3
313	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Molybdenum	TCR-TM-AAS-04-Ni Issue No. 2
314	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Molybdenum	TCR-TM-ICP-04-Ni Issue No. 2
315	CHEMICAL- METALS & ALLOYS	Nickel & Its alloys	Nickel	ASTM E354
316	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Niobium	ASTM E3047
317	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Niobium	TCR/TM-03-OES Issue No. 3
318	CHEMICAL- METALS & ALLOYS	Nickel & Its Alloys	Niobium	TCR-TM-ICP-04-Ni, Issue No. 2



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319	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Nitrogen	TCR-TM-04-N2 Issue No. 3
320	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Phosphorus	ASTM E3047
321	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Phosphorus	TCR/TM-03-OES Issue No. 3
322	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Silicon	ASTM E3047
323	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Silicon	TCR/TM-03-OES Issue No. 3
324	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Sulfur	ASTM E1019
325	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Sulfur	ASTM E3047
326	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Sulfur	TCR/TM-03-OES Issue No. 3
327	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Tantalum	ASTM E3047
328	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Tantalum	TCR/TM-03-OES Issue No. 3
329	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Tantalum	TCR-TM-ICP-04-Ni Issue No. 2
330	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Titanium	ASTM E3047
331	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Titanium	TCR/TM-03-OES Issue No. 3
332	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Titanium	TCR-TM-AAS-04-Ni Issue No. 2
333	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Titanium	TCR-TM-ICP-04-Ni Issue No. 2
334	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Tungsten	ASTM E3047
335	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Tungsten	TCR/TM-03-OES Issue No. 3
336	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Tungsten	TCR-TM-ICP-04-Ni Issue No. 2
337	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Vanadium	ASTM E3047



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338	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Vanadium	TCR/TM-03-OES Issue No. 3
339	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Vanadium	TCR-TM-AAS-04-Ni Issue No. 2
340	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminium	TCR/TM-03-OES Issue No. 3
341	CHEMICAL- METALS & ALLOYS	Stainless Steel	Antimony	TCR/TM-03-OES Issue No. 3
342	CHEMICAL- METALS & ALLOYS	Stainless Steel	Boron	TCR/TM-03-OES Issue No. 3
343	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
344	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
345	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	TCR/TM-03-OES Issue No. 3
346	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
347	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
348	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	TCR/TM-03-OES Issue No. 3
349	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	TCR/TM-03-OES Issue No. 3
350	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
351	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
352	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	TCR/TM-03-OES Issue No. 3
353	CHEMICAL- METALS & ALLOYS	Stainless Steel	Lead	TCR/TM-03-OES Issue No. 3
354	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
355	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
356	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	TCR/TM-03-OES Issue No. 3



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357	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
358	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
359	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	TCR/TM-03-OES Issue No. 3
360	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
361	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
362	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	TCR/TM-03-OES Issue No. 3
363	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	TCR/TM-03-OES Issue No. 3
364	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	TCR/TM-03-OES Issue No. 3
365	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086
366	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
367	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	TCR/TM-03-OES Issue No. 3
368	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
369	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
370	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	TCR/TM-03-OES Issue No. 3
371	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	ASTM E1086
372	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	IS 9879
373	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	TCR/TM-03-OES Issue No. 3
374	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tantalum	TCR/TM-03-OES Issue No. 3
375	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tin	TCR/TM-03-OES Issue No. 3



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376	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	TCR/TM-03-OES Issue No. 3
377	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten	TCR/TM-03-OES Issue No. 3
378	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	TCR/TM-03-OES Issue No. 3
379	CHEMICAL- METALS & ALLOYS	Stainless, Heat-Resisting, Maraging, and Other Similar Chromium-Nickel-Iron Alloys	Chromium	ASTM E353
380	CHEMICAL- METALS & ALLOYS	Stainless, Heat-Resisting, Maraging, and Other Similar Chromium-Nickel-Iron Alloys	Nickel	ASTM E353
381	CHEMICAL- METALS & ALLOYS	Stainless, Heat-Resisting, Maraging, and Other Similar Chromium-Nickel-Iron Alloys	Phosphorus	ASTM E353
382	CHEMICAL- METALS & ALLOYS	Stainless, Heat-Resisting, Maraging, and Other Similar Chromium-Nickel-Iron Alloys	Silicon	ASTM E353
383	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Aluminium	ASTM E2994
384	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Carbon	ASTM E2994
385	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Iron	ASTM E2994
386	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Silicon	ASTM E2994
387	CHEMICAL- METALS & ALLOYS	Titanium & Titanium Alloys	Vanadium	ASTM E2994
388	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon	TCR/TM-03-OES Issue No. 3
389	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium	TCR/TM-03-OES Issue No. 3
390	CHEMICAL- METALS & ALLOYS	Tool Steel	Cobalt	TCR/TM-03-OES Issue No. 3
391	CHEMICAL- METALS & ALLOYS	Tool Steel	Copper	TCR/TM-03-OES Issue No. 3
392	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese	TCR/TM-03-OES Issue No. 3
393	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum	TCR/TM-03-OES Issue No. 3
394	CHEMICAL- METALS & ALLOYS	Tool Steel	Nickel	TCR/TM-03-OES Issue No. 3



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395	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorus	TCR/TM-03-OES Issue No. 3
396	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon	TCR/TM-03-OES Issue No. 3
397	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulfur	TCR/TM-03-OES Issue No. 3
398	CHEMICAL- METALS & ALLOYS	Tool Steel	Titanium	TCR/TM-03-OES Issue No. 3
399	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten	TCR/TM-03-OES Issue No. 3
400	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium	TCR/TM-03-OES Issue No. 3
401	CHEMICAL- METALS & ALLOYS	Zinc and Zinc Alloys	Aluminium	ASTM E536
402	CHEMICAL- METALS & ALLOYS	Zinc and Zinc Alloys	Cadmium	ASTM E536
403	CHEMICAL- METALS & ALLOYS	Zinc and Zinc Alloys	Copper	ASTM E536
404	CHEMICAL- METALS & ALLOYS	Zinc and Zinc Alloys	Iron	ASTM E536
405	CHEMICAL- METALS & ALLOYS	Zinc and Zinc Alloys	Lead	ASTM E536
406	CHEMICAL- METALS & ALLOYS	Zinc and Zinc Alloys	Magnesium	ASTM E536
407	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	24 Hours water Absorption	IS 3495 (Part 2)
408	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Compressive Strength	IS 3495 (Part 1)
409	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimensions	IS 1077
410	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimensions	IS 1077
411	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Building Bricks	Dimensions	IS 1077
412	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	10% Fine Value	IS 2386 (Part4)
413	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose and Rodded)	IS 2386 (Part3)



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414	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part4)
415	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part1)
416	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part1)
417	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part4)
418	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (20 mm sieve)	IS 2386 (Part1)
419	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (4.75mm sieve)	IS 2386 (Part1)
420	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part3)
421	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part3)
422	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose and Rodded)	IS 2386 (Part3)
423	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (4.75 mm sieve)	IS 2386 (Part1)
424	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part3)
425	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part3)
426	MECHANICAL- BUILDINGS MATERIALS	Hardened Cement Concrete	Compressive Strength - Cores	IS 516 (Part 4)
427	MECHANICAL- BUILDINGS MATERIALS	Hardened Cement Concrete	Compressive Strength - Cubes	IS 516 (Part 1/Sec 1)
428	MECHANICAL- BUILDINGS MATERIALS	Hardened Cement Concrete	Density	IS 516 (Part 2/Sec 1)
429	MECHANICAL- BUILDINGS MATERIALS	Hardened Cement Concrete	Flexural Strength - Beams	IS 516 (Part 1/Sec 1)
430	MECHANICAL- BUILDINGS MATERIALS	Pulverized fuel Ash,	Particles Retained on 45 micron IS Sieve (Wet Sieving)	IS 1727
431	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloys	Fracture Toughness Test a) Linear-Elastic Plane-Strain Fracture Toughness (K _{IC})	ASTM B645



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432	MECHANICAL-MECHANICAL PROPERTIES OF METALS	"Threaded fasteners, washers, direct tension indicators, and rivets."	Proof Load	ASTM F606
433	MECHANICAL-MECHANICAL PROPERTIES OF METALS	"Threaded fasteners, washers, direct tension indicators, and rivets."	Tensile test	ASTM F606
434	MECHANICAL-MECHANICAL PROPERTIES OF METALS	"Threaded fasteners, washers, direct tension indicators, and rivets."	Wedge Tensile test	ASTM F606
435	MECHANICAL-MECHANICAL PROPERTIES OF METALS	"Welded Rails (Aluminothermic welding of rails)"	Fatigue Test	BS EN 14730-1
436	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Products	Elevated Temperature Tensile Test. (50 deg. C to 300 deg. C) % Elongation	BS EN 10002 (Part 5)
437	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Products	Elevated Temperature Tensile Test. (50 deg. C to 300 deg. C) % Elongation	ASTM E21
438	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Products	Elevated Temperature Tensile Test. (50 deg. C to 300 deg. C) % Elongation	ISO 6892 (Part 2)
439	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Products	Elevated Temperature Tensile Test. (50 deg. C to 300 deg. C) % Reduction in area	ASTM E21
440	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Products	Elevated Temperature Tensile Test. (50 deg. C to 300 deg. C) % Reduction in area	BS EN 10002 (Part 5)
441	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Products	Elevated Temperature Tensile Test. (50 deg. C to 300 deg. C) % Reduction in area	ISO 6892 (Part 2)
442	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Products	Elevated Temperature Tensile Test. (50 deg. C to 300 deg. C) 0.2% Yield Stress	ASTM E21
443	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Products	Elevated Temperature Tensile Test. (50 deg. C to 300 deg. C) 0.2% Yield Stress	BS EN 10002 (Part 5)
444	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Products	Elevated Temperature Tensile Test. (50 deg. C to 300 deg. C) 0.5% Extension Under Load (EUL)	ASTM E21



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445	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Products	Elevated Temperature Tensile Test. (50 deg. C to 300 deg. C) 0.5% Extension Under Load (EUL)	BS EN 10002 (Part 5)
446	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Products	Elevated Temperature Tensile Test. (50 deg. C to 300 deg. C) 1.0% Proof Stress	ASTM E21
447	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Products	Elevated Temperature Tensile Test. (50 deg. C to 300 deg. C) 1.0% Proof Stress	BS EN 10002 (Part 5)
448	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Products	Elevated Temperature Tensile Test. (50 deg. C to 300 deg. C) Ultimate Tensile Strength	ASTM E21
449	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Products	Elevated Temperature Tensile Test. (50 deg. C to 300 deg. C) Ultimate Tensile Strength	BS EN 10002 (Part 5)
450	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Aluminum and Aluminum Alloy Products	Elevated Temperature Tensile Test. (50 deg. C to 300 deg. C) Ultimate Tensile Strength	ISO 6892 (Part 2)
451	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon Steel and Alloy Steel	Flaring Test	IS 2335
452	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon Steel and Alloy Steel	Proof Load Test (Nuts)	IS 1367 (Part 6)
453	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon Steel and Alloy Steel	Running performance test	IS 814
454	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon steel and alloy steel (Bolts, screws and studs)	% Elongation	ISO 898 (Part 1)
455	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon steel and alloy steel (Bolts, screws and studs)	Ultimate Tensile Strength	ISO 898 (Part 1)
456	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Carbon Steel and Bolts, Screws and Studs	Proof Load Test (Bolts, Studs & Screws)	IS 1367 (Part 3)
457	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cast Aluminum- and Magnesium-Alloy Products	0.2% Yield Stress	ASTM B557



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458	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cast Aluminum- and Magnesium-Alloy Products	0.5% Extension Under Load (EUL)	ASTM B557
459	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cast Aluminum- and Magnesium-Alloy Products	1.0% Proof Stress	ASTM B557
460	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper and copper alloy seamless and welded pipe and tube	Flattening Test	ASTM B968
461	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper and copper alloys seamless condenser tubes	Flattening Test	ASTM B111
462	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper tubes	Pneumatic Pressure Test (3.18 mm to 60.33 mm OD)	IS 2501
463	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper tubes	Flaring Test	IS 2501
464	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper tubes	Hydrostatic Pressure Test (6 mm to 168.3 mm OD)	IS 2501
465	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Covered electrode	Diffusible hydrogen content (mercury method)	IS 11802
466	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Electrode Remelted Steel Bars and Billets	Macro etch Test	ASTM A604/A604M
467	MECHANICAL- MECHANICAL PROPERTIES OF METALS	ERW carbon steel pipes	Flattening Test	IS 3589
468	MECHANICAL- MECHANICAL PROPERTIES OF METALS	ERW carbon steel pipes	Flattening Test	IS 3589
469	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Fasteners	Proof Load Test (Nuts)	ISO 898 (Part 2)
470	MECHANICAL- MECHANICAL PROPERTIES OF METALS	FastenersCarbon steel and alloy steel (Bolts, screws and studs)	Proof Load Test (Bolts, Studs & Screws)	ISO 898 (Part 1)
471	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Low and Medium alloy Steel covered electrodes	Moisture Content Test	IS 1395



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472	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Splices for Steel Reinforcing Bars	Axial Force Fatigue Test	ASTM A1034/A1034M
473	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Splices for Steel Reinforcing Bars	Cyclic Tensile Test	ASTM A1034/A1034M
474	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Splices for Steel Reinforcing Bars	High Cycle Fatigue Test	ASTM A1034/A1034M
475	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Splices for Steel Reinforcing Bars	Slip Test	ASTM A1034/A1034M
476	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Splices for Steel Reinforcing Bars	Static Tensile Test b) %Elongation at Max. Force	ASTM A1034 / A1034M
477	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Mechanical Splices for Steel Reinforcing Bars	Static Tensile Test a) Ultimate Tensile Strength (UTS)	ASTM A1034 / A1034M
478	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubes	Flattening Test	IS 2328
479	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Bend Test	AWS B4.0
480	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Charpy Impact Test (+80 deg. C to -101 deg. C & -196 deg. C)	AWS B4.0
481	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Fillet Weld Break Tests	AWS B4.0
482	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Fracture Toughness Test a) Linear-Elastic Plane-Strain Fracture Toughness (K _{Ic})	ASTM E1820
483	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Fracture Toughness Test a) Linear-Elastic Plane-Strain Fracture Toughness (K _{Ic})	ASTM E1820
484	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Fracture Toughness Test b) Crack-Tip Opening Displacement (CTOD)	ASTM E1820
485	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Fracture Toughness Test b) Crack-Tip Opening Displacement (CTOD)	ASTM E1820



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486	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Fracture Toughness Test b) Crack-Tip Opening Displacement (CTOD)	ASTM E1820
487	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Izod Impact Test	BS 131-1
488	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Izod Impact Test	BS 131-1
489	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Izod Impact Test	BS 131-1
490	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Nick-Break Test	AWS B4.0
491	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Tensile Test	AWS B4.0
492	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Stress Rupture Test a) % Elongation	ASTM E139
493	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction in area	ASTM E8/E8M
494	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	% Elongation	ASTM E8/E8M
495	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	IS 1608 (Part 1)
496	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	ISO 6892-1
497	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	ASTM E290
498	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	BS EN 910
499	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	ISO 5173



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500	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	ASTM E10
501	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	ASTM E10
502	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	ASTM E10
503	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	IS 1500 (Part 1)
504	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	IS 1500 (Part 1)
505	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	IS 1500 (Part 1)
506	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	IS 1500 (Part 2)
507	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	IS 1500 (Part 2)
508	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	IS 1500 (Part 2)
509	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	ISO 6506 (Part 1)
510	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	ISO 6506 (Part 1)
511	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	ISO 6506 (Part 1)
512	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Creep Rupture Test b) % Elongation	ISO 204
513	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Creep Rupture Test b) % Elongation	ISO 204



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514	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Creep test / Creep Rupture test a) Creep rate	ASTM E139
515	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Creep test / Creep Rupture test a) Creep rate	ASTM E139
516	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Creep test / Creep Rupture test b) % Elongation	ASTM E139
517	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Creep test / Creep Rupture test b) % Elongation	ASTM E139
518	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C) % Elongation	BS EN 10002 (Part 5)
519	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 500 deg. C) % Elongation	ASTM E21
520	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elevated Temperature Tensile Test. (50 deg. C to 500 deg. C) % Reduction in area	ASTM E21
521	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elevated Temperature Tensile Test. (80 deg. C to 1100 deg. C) % Elongation	BS EN 10002 (Part 5)
522	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Flaring Test	ASTM B153
523	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Flattening Test	ASTM B111
524	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Flattening Test	ASTM B968
525	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Flattening Test	IS 2328
526	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Crack-Tip Opening Displacement (CTOD)	ASTM E1290
527	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Crack-Tip Opening Displacement (CTOD)	ASTM E1290



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528	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Crack-Tip Opening Displacement (CTOD)	BS 7448 (Part 1)
529	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Crack-Tip Opening Displacement (CTOD)	BS 7448 (Part 2)
530	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Crack-Tip Opening Displacement (CTOD)	BS 7448 (Part 4)
531	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Crack-Tip Opening Displacement (CTOD)	BS 7448 (Part 4)
532	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Crack-Tip Opening Displacement (CTOD)	BS 8571
533	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Crack-Tip Opening Displacement (CTOD)	BS 8571
534	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Crack-Tip Opening Displacement (CTOD)	BS 8571
535	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Crack-Tip Opening Displacement (CTOD)	ISO 12135
536	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Crack-Tip Opening Displacement (CTOD)	ISO 12135
537	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Crack-Tip Opening Displacement (CTOD)	ISO 15653
538	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Fatigue Crack Growth Rate (FCGR)	ASTM E647
539	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Fatigue Crack Growth Rate (FCGR)	ASTM E647
540	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Fatigue Crack Growth Rate (FCGR)	ISO 12108
541	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Fatigue Crack Growth Rate (FCGR)	ISO 12108



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542	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Fatigue Crack Growth Rate (FCGR)	ISO 12108
543	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Linear-Elastic Plane-Strain Fracture Toughness (K _{Ic})	ASTM E399
544	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Linear-Elastic Plane-Strain Fracture Toughness (K _{Ic})	BS 7448 (Part 3)
545	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Fracture Toughness Test a) Linear-Elastic Plane-Strain Fracture Toughness (K _{Ic})	ISO 12737
546	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Linear-Elastic Plane-Strain Fracture Toughness (K _{Ic})	ASTM E399
547	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Linear-Elastic Plane-Strain Fracture Toughness (K _{Ic})	BS 7448 (Part 3)
548	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Linear-Elastic Plane-Strain Fracture Toughness (K _{Ic})	BS 7448 (Part 3)
549	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Fracture Toughness Test a) Linear-Elastic Plane-Strain Fracture Toughness (K _{Ic})	ISO 12737
550	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Linear-Elastic Plane-Strain Fracture Toughness (K _{Ic})	ASTM E399
551	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Linear-Elastic Plane-Strain Fracture Toughness (K _{Ic})	ASTM E1820
552	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test b) Crack-Tip Opening Displacement (CTOD)	ASTM E1820
553	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test b) Crack-Tip Opening Displacement (CTOD)	BS 7448 (Part 3)
554	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test b) J- integral (J _{Ic})	BS 8571
555	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test b) J- integral (J _{Ic})	BS 8571



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556	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test b) J- integral (JIC)	BS 8571
557	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test b) Linear-Elastic Plane-Strain Fracture Toughness (KIC)	BS 7448 (Part 1)
558	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test b) Linear-Elastic Plane-Strain Fracture Toughness (KIC)	BS 7448 (Part 4)
559	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test b) Linear-Elastic Plane-Strain Fracture Toughness (KIC)	BS 7448 (Part 4)
560	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test b) Linear-Elastic Plane-Strain Fracture Toughness (KIC)	ISO 12135
561	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test b) Linear-Elastic Plane-Strain Fracture Toughness (KIC)	BS 7448 (Part 1)
562	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test b) Linear-Elastic Plane-Strain Fracture Toughness (KIC)	BS 7448 (Part 2)
563	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test b) Linear-Elastic Plane-Strain Fracture Toughness (KIC)	BS 7448 (Part 4)
564	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test b) Linear-Elastic Plane-Strain Fracture Toughness (KIC)	ISO 12135
565	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test b) Linear-Elastic Plane-Strain Fracture Toughness (KIC)	ISO 15653
566	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test c) J- integral (JIC)	ASTM E1820
567	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test c) J- integral (JIC)	BS 7448 (Part 1)
568	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test c) J- integral (JIC)	BS 7448 (Part 2)
569	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test c) J- integral (JIC)	BS 7448 (Part 3)



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570	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test c) J- integral (Jlc)	BS 7448 (Part 4)
571	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test c) J- integral (Jlc)	ISO 12135
572	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test c) J- integral (Jlc)	ISO 15653
573	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test c) J- integral (Jlc)	BS 7448 (Part 1)
574	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test c) J- integral (Jlc)	BS 7448 (Part 3)
575	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hydrogen Embrittlement Susceptibility Test	ASTM B577
576	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hydrogen Embrittlement Susceptibility Test	IS 6243
577	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hydrogen Embrittlement Test	ASTM F519
578	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Izod Impact Test	ASTM E23
579	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Izod Impact Test	ASTM E23
580	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Izod Impact Test	IS 1598
581	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Macro etch Test	ASTM E340
582	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Macro etch Test	ISO 17639
583	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Macro-Examination a) Leak Path	ASME BPVC.IX



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584	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Macro-Examination a) Leak Path	ASME Section VIII
585	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Macro-Examination a) Leg Lengths	API 1104
586	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Macro-Examination a) Leg Lengths	ASME BPVC.IX
587	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Macro-Examination a) Leg Lengths	ASME Section VIII
588	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Macro-Examination a) Leg Lengths	AWS D 1.1
589	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Macro-Examination a) Throat Length	ASME BPVC.IX
590	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Macro-Examination a) Throat Length	ASME Section VIII
591	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Macro-Examination a) Throat Length	AWS D 1.1
592	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Pneumatic Pressure Test (3.18 mm to 60.33 mm OD)	ASTM B111
593	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Pneumatic Pressure Test (3.18 mm to 60.33 mm OD)	ASTM B75
594	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	ASTM E18
595	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	ASTM E18
596	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	IS 1586 (Part 1)
597	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	IS 1586 (Part 1)



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598	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	ISO 6508 (Part 1)
599	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	ISO 6508 (Part 1)
600	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Strain Controlled Fatigue Test	ISO 12106
601	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Stress Rupture Test a) % Elongation	ASTM E139
602	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Stress Rupture Test b) % Reduction in area	ASTM E139
603	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Stress Rupture Test b) % Reduction in area	ASTM E139
604	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Time-for-Rupture Notch Tension Tests a) %Elongation	ASTM E292
605	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Time-for-Rupture Notch Tension Tests b) % Reduction in area	ASTM E292
606	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	ASTM E92
607	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	ASTM E92
608	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	ASTM E92
609	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	ASTM E92
610	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	AWS B4.0
611	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	AWS B4.0



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612	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	BS EN 1043 (Part 1)
613	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	BS EN 1043 (Part 1)
614	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	IS 1501 (Part 1)
615	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	IS 1501 (Part 1)
616	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	IS 1501 (Part 1)
617	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	ISO 6507 (Part 1)
618	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	ISO 6507 (Part 1)
619	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	ISO 6507 (Part 1)
620	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	ISO 9015 (Part 1)
621	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	ISO 9015 (Part 1)
622	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	AWS B4.0
623	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	BS EN 1043 (Part 2)
624	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ASTM E384
625	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ASTM E384



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626	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ASTM E384
627	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ASTM E384
628	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ASTM E384
629	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	AWS B4.0
630	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	AWS B4.0
631	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	AWS B4.0
632	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	BS EN 1043 (Part 2)
633	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	BS EN 1043 (Part 2)
634	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	BS EN 1043 (Part 2)
635	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	BS EN 1043 (Part 2)
636	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	IS 1501 (Part 1)
637	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	IS 1501 (Part 1)
638	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	IS 1501 (Part 1)
639	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	IS 1501 (Part 1)



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640	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	IS 1501 (Part 1)
641	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	IS 1501 (Part 1)
642	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ISO 6507 (Part 1)
643	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ISO 6507 (Part 1)
644	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ISO 6507 (Part 1)
645	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ISO 6507 (Part 1)
646	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ISO 6507 (Part 1)
647	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ISO 9015 (Part 2)
648	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ISO 9015 (Part 2)
649	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ISO 9015 (Part 2)
650	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ISO 9015 (Part 2)
651	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ISO 9015 (Part 2)
652	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Yield Stress	IS 1608 (Part 1)
653	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	0.5% Extension Under Load (EUL)	ASTM E8/E8M



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654	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.5% Extension Under Load (EUL)	IS 1608 (Part 1)
655	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	1.0% Proof Stress	ASTM E8/E8M
656	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	1.0% Proof Stress	BS EN 10002 (Part 1)
657	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	1.0% Proof Stress	IS 1608 (Part 1)
658	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	1.0% Proof Stress	ISO 6892 (Part 1)
659	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Yield Stress	ASTM E8 / E8M
660	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Yield Stress	BS EN 10002 (Part 1)
661	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Yield Stress	IS 1608 (Part 1)
662	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Yield Stress	ISO 6892 (Part 1)
663	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Yield Stress	ISO 6892-1
664	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (+80 deg. C to -101 deg. C & -196 deg. C)	ASTM E23
665	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (+80 deg. C to -101 deg. C & -196 deg. C)	ASTM E23
666	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (+80 deg. C to -101 deg. C & -196 deg. C)	IS 1757 (Part 1)
667	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (+80 deg. C to -101 deg. C & -196 deg. C)	BS EN 10045 (Part 1)



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668	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (+80 deg. C to -101 deg. C & -196 deg. C)	IS 1757 (Part 1)
669	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (+80 deg. C to -101 deg. C & -196 deg. C)	ISO 148 (Part 1)
670	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (+80 deg. C to -101 deg. C & -196 deg. C)	ISO 148 (Part 1)
671	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C) 0.2%Yield Stress	ISO 6892 (Part 2)
672	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C) 0.2% Yield Stress	ASTM E21
673	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C) 0.2% Yield Stress	ISO 6892 (Part 2)
674	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C) 0.2% Yield Stress	BS EN 10002 (Part 5)
675	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C) 0.2%Yield Stress	BS EN 10002 (Part 5)
676	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C) Ultimate Tensile Strength	BS EN 10002 (Part 5)
677	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 500 deg. C) 0.2% Yield Stress	ASTM E21
678	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 500 deg. C) 0.2% Yield Stress	BS EN 10002 (Part 5)
679	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 500 deg. C) 0.2% Yield Stress	ISO 6892 (Part 2)
680	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 500 deg. C) Ultimate Tensile Strength	ISO 6892 (Part 2)
681	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	ASTM E8/E8M



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682	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	IS 1608 (Part 1)
683	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction in area	ASTM A370
684	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction in area	ASTM B557
685	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction in area	ASTM E8/E8M
686	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction in area	ASTM E8/E8M
687	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction in area	BS EN 10002 (Part 1)
688	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction in area	BS EN 10002 (Part 1)
689	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Reduction in area	IS 1608 (Part 1)
690	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	0.2% Yield Stress	ASTM E8/E8M
691	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Yield Stress	ISO 898 (Part 1)
692	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.5% Extension Under Load (EUL)	ASTM E8/E8M
693	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.5% Extension Under Load (EUL)	BS EN 10002 (Part 1)
694	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.5% Extension Under Load (EUL)	ISO 6892 (Part 1)
695	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.5% Extension Under Load (EUL)	ISO 6892-1



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696	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.5% Extension Under Load (EUL)	BS EN 10002 (Part 1)
697	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.5% Extension Under Load (EUL)	ISO 6892 (Part 1)
698	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	1.0% Proof Stress	ASTM A370
699	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	1.0% Proof Stress	ASTM E8/E8M
700	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	1.0% Proof Stress	BS EN 10002 (Part 1)
701	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	1.0% Proof Stress	ISO 6892 (Part 1)
702	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	1.0% Proof Stress	ISO 898 (Part 1)
703	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	API 1104
704	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	ASME Section IX
705	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	ASTM A370
706	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	ASTM E8/E8M
707	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	ASTM E8/E8M
708	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	AWS D 1.1
709	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	BS EN 10002 (Part 1)



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710	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	BS EN 10002 (Part 1)
711	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	BS EN 895
712	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	BS EN ISO 4136
713	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	IS 1608 (Part 1)
714	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	IS 1608 (Part 1)
715	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	ISO 6892 (Part 1)
716	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	ISO 6892 (Part 1)
717	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	% Elongation	ISO 898 (Part 1)
718	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Yield Stress	ASTM A370
719	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Yield Stress	ASTM E8/E8M
720	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Yield Stress	BS EN 10002 (Part 1)
721	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Yield Stress	BS EN 10002 (Part 1)
722	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Yield Stress	IS 1608 (Part 1)
723	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.2% Yield Stress	ISO 6892 (Part 1)



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724	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.5% Extension Under Load	IS 1608 (Part 1)
725	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.5% Extension Under Load (EUL)	ASTM A370
726	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.5% Extension Under Load (EUL)	ASTM E8/E8M
727	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.5% Extension Under Load (EUL)	BS EN 10002 (Part 1)
728	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.5% Extension Under Load (EUL)	IS 1608 (Part 1)
729	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	0.5% Extension Under Load (EUL)	ISO 898 (Part 1)
730	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	1.0% Proof Stress	ASTM E8/E8M
731	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	1.0% Proof Stress	BS EN 10002 (Part 1)
732	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	1.0% Proof Stress	IS 1608 (Part 1)
733	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	1.0% Proof Stress	IS 1608 (Part 1)
734	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	1.0% Proof Stress	ISO 6892-1
735	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Adhesion (Pull-Off) Strength Test - Method E)	ASTM D4541
736	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Adhesion test - (Tape test - Method A)	ASTM D3359
737	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Adhesion test - (Tape test - Method B)	ASTM D3359



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738	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Axial Force Fatigue Test	IS 5074
739	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	API 1104
740	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	ASME Section IX
741	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	ASTM E190
742	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	ASTM E290
743	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	AWS D 1.1
744	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	IS 1599
745	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	ISO 7438
746	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness test	ASTM E10
747	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	ASTM E10
748	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	ASTM E10
749	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	ASTM E10
750	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	ASTM E10
751	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	IS 1500 (Part 1)



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752	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	IS 1500 (Part 1)
753	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	IS 1500 (Part 1)
754	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	ISO 6506 (Part 1)
755	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	ISO 6506 (Part 1)
756	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	ISO 6506 (Part 1)
757	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	ISO 6506 (Part 1)
758	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness Test	ISO 6506 (Part 1)
759	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (+80 deg. C to -101 deg. C & -196 deg. C)	BS EN 875
760	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (+80 deg. C to -101 deg. C & -196 deg. C)	ISO 9016
761	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (+80 deg. C to -101 deg. C & -196 deg. C)	ASTM E23
762	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (+80 deg. C to -101 deg. C & -196 deg. C)	BS EN 10045
763	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (+80 deg. C to -101 deg. C & -196 deg. C)	BS EN 10045 (Part 1)
764	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (+80 deg. C to -101 deg. C & -196 deg. C)	IS 1757 (Part 1)
765	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test (+80 deg. C to -101 deg. C & -196 deg. C)	ISO 148 (Part 1)



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766	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Creep Rupture Test a) Creep rate	ISO 204
767	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Creep Rupture Test a) Creep rate	ISO 204
768	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Creep test / Creep Rupture test a) Creep rate	ASTM E139
769	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C) 0.5% Extension Under Load (EUL)	ASTM E21
770	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C) 1.0% Proof Stress	ASTM E21
771	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C) 1.0% Proof Stress	BS EN 10002 (Part 5)
772	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C) 1.0% Proof Stress	ISO 6892 (Part 2)
773	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C) , 0.5% Extension Under Load (EUL)	ISO 6892 (Part 2)
774	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C) 0.5% Extension Under Load (EUL)	BS EN 10002 (Part 5)
775	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C) 0.5% Extension Under Load (EUL)	ISO 6892 (Part 2)
776	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C) 1.0% Proof Stress	BS EN 10002 (Part 5)
777	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C) 1.0% Proof Stress	ISO 6892 (Part 2)



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778	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elevated Temperature Tensile Test. (50 deg. C to 1100 deg. C), 0.5% Extension Under Load (EUL)	BS EN 10002 (Part 5)
779	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 500 deg. C) 0.5% Extension Under Load	ISO 6892 (Part 2)
780	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 500 deg. C) 1.0% Proof Stress	ASTM E21
781	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 500 deg. C) 1.0% Proof Stress	BS EN 10002 (Part 5)
782	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 500 deg. C) 0.5% Extension Under Load	ASTM E21
783	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 500 deg. C) 0.5% Extension Under Load	BS EN 10002 (Part 5)
784	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 500 deg. C) 0.5% Extension Under Load (EUL)	ISO 6892 (Part 2)
785	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (50 deg. C to 500 deg. C) 1.0% Proof Stress	ISO 6892 (Part 2)
786	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elevated Temperature Tensile Test. (80 deg. C to 1100 deg. C) % Reduction in area	ASTM E21
787	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (80 deg. C to 1100 deg. C) % Reduction in area	BS EN 10002 (Part 5)
788	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (80 deg. C to 1100 deg. C) % Reduction in area	ISO 6892 (Part 2)
789	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elevated Temperature Tensile Test. (80 deg. C to 500 deg. C) % Reduction in area	BS EN 10002 (Part 5)
790	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elevated Temperature Tensile Test. (80 deg. C to 500 deg. C) % Reduction in area	ISO 6892 (Part 2)



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791	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (80 deg. C to 1100 deg. C) % Elongation	ASTM E21
792	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elevated Temperature Tensile Test. (80 deg. C to 1100 deg. C) % Elongation	BS EN 10002 (Part 5)
793	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (80 deg. C to 1100 deg. C) % Elongation	ISO 6892 (Part 2)
794	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elevated Temperature Tensile Test. (80 deg. C to 500 deg. C) % Elongation	BS EN 10002 (Part 5)
795	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (80 deg. C to 500 deg. C) % Elongation	ISO 6892 (Part 2)
796	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elevated Temperature Tensile Test. (80 deg. C to 1100 deg. C) Ultimate tensile strength	ASTM E21
797	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elevated Temperature Tensile Test. (80 deg. C to 1100 deg. C) Ultimate Tensile Strength	ASTM E21
798	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elevated Temperature Tensile Test. (80 deg. C to 1100 deg. C) Ultimate Tensile Strength	ISO 6892 (Part 2)
799	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elevated Temperature Tensile Test. (80 deg. C to 1100 deg. C) Ultimate Tensile Strength test	BS EN 10002 (Part 5)
800	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elevated Temperature Tensile Test. (80 deg. C to 500 deg. C) Ultimate Tensile Strength	ASTM E21
801	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elevated Temperature Tensile Test. (80 deg. C to 500 deg. C) Ultimate Tensile Strength	BS EN 10002(Part 5)
802	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Erichsen Cupping Test	IS 10175 (Part 1)
803	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Erichsen Cupping Test	IS 10175 (Part 1)



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804	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Flaring Test	IS 2335
805	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Flaring Test	IS 2335
806	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Force Controlled Constant Amplitude Axial Fatigue Test	ASTM E466
807	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Force Controlled Constant Amplitude Axial Fatigue Tests	ASTM E466
808	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Test	ASME Section IX
809	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Test	ASME Section VIII
810	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Test	AWS D 1.1
811	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Crack-Tip Opening Displacement (CTOD)	ASTM E1290
812	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Crack-Tip Opening Displacement (CTOD)	ISO 12135
813	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test b) Linear-Elastic Plane-Strain Fracture Toughness (K _{Ic})	ISO 12135
814	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test c) J- integral (J _{Ic})	ASTM E1820
815	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test c) J- integral (J _{Ic})	ISO 12135
816	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Fatigue Crack Growth Rate (FCGR)	ASTM E647
817	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Fatigue Crack Growth Rate (FCGR)	ISO 12108



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818	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Fracture Toughness Test a) Linear-Elastic Plane-Strain Fracture Toughness (K _{IC})	ASTM E399
819	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hydrostatic Leak Test (6 mm to 168.3 mm OD)	ASTM E1003
820	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hydrostatic Pressure Test (6 mm to 168.3 mm OD)	ASTM A450
821	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hydrostatic Pressure Test (6 mm to 168.3 mm OD)	ASTM A530
822	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hydrostatic Pressure Test (6 mm to 168.3 mm OD)	ASTM A999
823	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hydrostatic Pressure Test (6 mm to 168.3 mm OD)	ASTM B111
824	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hydrostatic Pressure Test (6 mm to 168.3 mm OD)	ASTM B75
825	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Hydrostatic Pressure Test (6 mm to 168.3 mm OD)	ASTM E1003
826	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Izod Impact Test	ASTM E23
827	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Izod Impact Test	IS 1598
828	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Macro etch Test	ASME Section IX
829	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Macro etch Test	ASTM E381
830	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Macro Examination Test a) Metal Expansion	ASME Section IX
831	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Macro-Examination a) Metal Expansion	ASME Section VIII



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832	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Mercurous Nitrate Test	ASTM B154
833	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Mercurous Nitrate Test	IS 2305
834	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Nick Break Test	API 1104
835	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Peel Test	ASME Section IX
836	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Peel Test	ASME Section VIII
837	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	ASTM E18
838	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	ASTM E18
839	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	IS 1586 (Part 2)
840	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	IS 1586 (Part 2)
841	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	IS 1586 (Part 2)
842	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	ISO 6508 (Part 2)
843	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness Test	ISO 6508 (Part 2)
844	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Shear Load (Pull-out) Test	ASME Section IX
845	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Shear Load (Pull-out) Test	ASME Section VIII



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846	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Shear Test	ASME Section IX
847	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Shear Test	ASME Section VIII
848	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Strain Controlled Fatigue Test	ASTM E606/E606M
849	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test	ASTM B557
850	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test	ASTM E8/E8M
851	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test	ASTM E8/E8M
852	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test	BS EN 10002 (Part 1)
853	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test	BS EN 10002 (Part 1)
854	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test	IS 1608 (Part 1)
855	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test	ISO 6892 (Part 1)
856	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test	ISO 898 (Part 1)
857	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Time-for-Rupture Notch Tension Tests a) %Elongation	ASTM E292
858	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	API 1104
859	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	API 1104



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860	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	ASME Section IX
861	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	ASME Section IX
862	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	ASTM B557
863	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	ASTM E8/E8M
864	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	ASTM E8/E8M
865	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	AWS D 1.1
866	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	AWS D 1.1
867	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	BS EN 10002 (Part 1)
868	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	BS EN 10002 (Part 1)
869	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	BS EN 10002 (Part 1)
870	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	BS EN 895
871	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	BS EN 895
872	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	BS EN ISO 4136
873	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	BS EN ISO 4136



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874	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	IS 1367 (Part 14)
875	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	IS 1608 (Part 1)
876	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	IS 1608 (Part 1)
877	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	ISO 6892 (Part 1)
878	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	ISO 6892 (Part 1)
879	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	ISO 6892 (Part 1)
880	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	ISO 898 (Part 1)
881	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	ASTM E92
882	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	ASTM E92
883	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	IS 1501 (Part 1)
884	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	IS 1501 (Part 1)
885	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	ISO 6507 (Part 1)
886	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Macro Indentation)	ISO 6507 (Part 1)
887	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ASTM E384



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888	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ASTM E384
889	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ASTM E384
890	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ASTM E384
891	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ASTM E384
892	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	IS 1501 (Part 1)
893	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	IS 1501 (Part 1)
894	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	IS 1501 (Part 1)
895	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	IS 1501 (Part 1)
896	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	IS 1501 (Part 1)
897	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ISO 6507 (Part 1)
898	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ISO 6507 (Part 1)
899	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ISO 6507 (Part 1)
900	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ISO 6507 (Part 1)
901	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness Test (Micro Indentation)	ISO 6507 (Part 1)



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902	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress	API 1104
903	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress	API 1104
904	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress	ASME Section IX
905	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress	ASME Section IX
906	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress	AWS D 1.1
907	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress	AWS D 1.1
908	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress	BS EN 895
909	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress	BS EN 895
910	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress	ISO 4136
911	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress	ISO 4136
912	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Tubes	Flattening Test	IS 2328
913	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Wire	Reverse bend Test	IS 1716
914	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-metallic Coatings	Adhesion (Pull-Off) Strength Test - Method E)	ISO 4624
915	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Non-metallic Coatings	Adhesion (Pull-Off) Strength Test - Method E)	ASTM D4541



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916	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Rails / Welded Rails	Fatigue Test	ISO 23300-1
917	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Rails / Welded Rails	Fatigue Test	BS EN 14587-1
918	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Rails / Welded Rails	Fatigue Test	BS EN 14587-2
919	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Rails / Welded Rails	Fatigue Test	IRST-19
920	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Rails / Welded Rails	Fatigue Test	ISO 23300-1
921	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Rails / Welded Rails	Fatigue Test	BS EN 14587-2
922	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement bar	Fatigue Test	IS 16651
923	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement bar	Re-Bend Test	IS 16651
924	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement bar/Mechanical Splices	Low cycle fatigue test	IS 16172
925	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement bar/Mechanical Splices	Static Tensile Test b) %Extension Under Load (EUL) at Max. Force	IS 16172
926	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement bar/Mechanical Splices	Static Tensile Test a) Ultimate Tensile Strength (UTS)	IS 16172
927	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement bar/Mechanical Splices	Cyclic Tensile Test	IS 16172
928	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement bar/Mechanical splices	High Cycle Fatigue Test	IS 16172
929	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement bar/Mechanical splices	Slip Test	IS 16172



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930	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement couplers for mechanical splices of bars	High Cycle Fatigue Test	ISO 15835-2
931	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement couplers for mechanical splices of bars	Low cycle fatigue test	ISO 15835-2
932	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement couplers for mechanical splices of bars	Slip Test	ISO 15835-2
933	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcement couplers for mechanical splices of bars	Tensile test	ISO 15835-2
934	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Reinforcing bars, rods and wire	Axial Force Fatigue Test	ISO 15630 (Part 1)
935	MECHANICAL- MECHANICAL PROPERTIES OF METALS	SAW carbon steel pipes	Bend Test	IS 3589
936	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Seamless copper tubes	Flattening Test	IS 2501
937	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Seamless copper tubes	Flattening Test	IS 2501
938	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Seamless copper tubes	Flattening Test	IS 2501
939	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Seamless copper tubes	Flattening Test	IS 2501
940	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Sheet and strip	Ball Punch Deformation Test	ASTM E643
941	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Sheet and strip	Erichsen cupping test	ISO 20482
942	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Sheet Materials	Plastic Strain Ratio 'r' bar	ASTM E517
943	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Sheet Materials	Plastic Strain Ratio 'r' bar	ISO 10113



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944	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Sheet Materials	Strain hardening exponent 'n' bar	ASTM E646
945	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Sheet Materials	Strain hardening exponent 'n' bar	ISO 10275
946	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Stainless steel Fasteners	Proof Load Test (Bolts, Screws & Studs)	IS 1367 : Part 14/Sec.1
947	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Stainless steel Fasteners	Proof Load Test (Nuts)	IS 1367 : Part 14/Sec. 2
948	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Strain hardening exponent 'n' bar	IS 15756
949	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Tensile Creep Test a) Creep rate	IS 3407 (Part 1)
950	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Nonmetallic Inclusion	IS 4163
951	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Plastic Strain Ratio 'r' bar	IS 11999
952	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Tensile Creep stress rupture test a) % Elongation	IS 3407 (Part 2)
953	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Tensile Creep stress rupture test b) % Reduction	IS 3407 (Part 2)
954	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Tensile Creep Test b) % Elongation	IS 3407 (Part 1)
955	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel	Tensile Creep stress rupture test a) % Reduction	IS 3407 (Part 1)
956	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel (Bolts, Screws, Studs and Nuts)	% Elongation	IS 1367 (Part 1)
957	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel (Bolts, Screws, Studs and Nuts)	0.5% Extension Under Load (EUL)	IS 1367 (Part 1)



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958	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel (Bolts, Screws, Studs and Nuts)	1.0% Proof Stress	IS 1367 (Part 1)
959	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel (Bolts, Screws, Studs and Nuts)	0.2% Yield Stress	IS 1367 (Part 1)
960	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Bars and wires	Re-Bend Test	IS 1786
961	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Bars, Billets, Blooms, and Forgings	Macro etch Test	ASTM E381
962	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Plates	Through Thickness Tensile Test	ASTM A770/A770M
963	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel products	Through Thickness Tensile Test	ISO 7778
964	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel, Stainless Steel and Related Alloys	Bend Test	ASTM A370
965	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel, Stainless Steel and Related Alloys	Brinell Hardness Test	ASTM A370
966	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel, Stainless Steel and Related Alloys	Brinell Hardness Test	ASTM A370
967	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel, Stainless Steel and Related Alloys	Brinell Hardness Test	ASTM A370
968	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel, Stainless Steel and Related Alloys	Flaring Test	ASTM A370
969	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel, Stainless Steel and Related Alloys	Flattening Test	ASTM A370
970	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel, Stainless Steel and Related Alloys	Proof Load Test (Nuts)	ASTM A370
971	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel, Stainless Steel and Related Alloys	Proof Load Test (Bolts, Studs & Screws)	ASTM A370



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972	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel, Stainless Steel and Related Alloys	Rockwell Hardness Test	ASTM A370
973	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel, Stainless Steel and Related Alloys	Rockwell Hardness Test	ASTM A370
974	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel, Stainless Steel and Related Alloys	Charpy Impact Test (+80 deg. C to -101 deg. C & -196 deg. C)	ASTM A370
975	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel, Stainless Steel and Related Alloys	Ultimate Tensile Strength	ASTM A370
976	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Welding electrode	Determination of efficiency, Metal recovery and deposition Co-Efficient	IS 13043
977	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Zinc Coated Iron & Steel	Mass Of Coating (Stripping Method)	ASTM A90/90M
978	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Zinc Coated Iron & Steel	Mass Of Coating (Stripping Method)	IS 6745
979	MECHANICAL- METALLOGRAPHY TEST	Aluminium Alloys Products	Stress Corrosion Cracking Test	ASTM G47
980	MECHANICAL- METALLOGRAPHY TEST	Aluminum Alloys Products	EXCO Test	ASTM G34-01
981	MECHANICAL- METALLOGRAPHY TEST	Aluminum Alloys Products	Intergranular corrosion Nitric Acid (NAML Test) Test	ASTM G67
982	MECHANICAL- METALLOGRAPHY TEST	Austenitic and ferritic-austenitic (duplex) stainless steels	Intergranular corrosion (IGC) Method A	DIN EN ISO 3651 (Part 2)
983	MECHANICAL- METALLOGRAPHY TEST	Austenitic and ferritic-austenitic (duplex) stainless steels	Intergranular corrosion (IGC) Method B	DIN EN ISO 3651 (Part 2)
984	MECHANICAL- METALLOGRAPHY TEST	Austenitic and ferritic-austenitic (duplex) stainless steels	Intergranular corrosion (IGC) Method C	DIN EN ISO 3651 (Part 2)
985	MECHANICAL- METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion (HUEY Test) Test	IS 10461-1
986	MECHANICAL- METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular corrosion (IGC) Practice A	ASTM A262 (2021)
987	MECHANICAL- METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular corrosion (IGC) Practice B	ASTM A262



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988	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular corrosion (IGC) Practice C	ASTM A262
989	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular corrosion (IGC) Practice E	ASTM A262
990	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	Intergranular Corrosion (Strauss Test) Test	IS 10461-2
991	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	Intergranular corrosion (IGC) Practice F	ASTM A262
992	MECHANICAL-METALLOGRAPHY TEST	Cast iron	Determination of Graphite in Cast Iron (Type Size, & Distribution)	ASTM A247
993	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Determination of Graphite in Cast Iron (Type, Shape, Size, %)	ASTM A247
994	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Determination of Graphite in Cast Iron (Type, Shape, Size, %)	IS 7754
995	MECHANICAL-METALLOGRAPHY TEST	Copper materials, alloys & products	Ammonia Vapor Test (Susceptibility to Stress Corrosion Cracking)	ASTM B858
996	MECHANICAL-METALLOGRAPHY TEST	Duplex Austenitic/Ferritic Stainless Steels	Detection of detrimental Intermetallic Phases (Method A)	ASTM A923
997	MECHANICAL-METALLOGRAPHY TEST	Duplex Austenitic/Ferritic Stainless Steels	Determination of Detrimental Intermetallic Phases (Method C)	ASTM A923
998	MECHANICAL-METALLOGRAPHY TEST	Ferritic Stainless Steel	Intergranular corrosion (IGC) Practice W	ASTM A763
999	MECHANICAL-METALLOGRAPHY TEST	Ferritic Stainless Steel	Intergranular corrosion (IGC) Practice X	ASTM A763
1000	MECHANICAL-METALLOGRAPHY TEST	Ferritic Stainless Steel	Intergranular corrosion (IGC) Practice Y	ASTM A763
1001	MECHANICAL-METALLOGRAPHY TEST	Ferritic Stainless Steel	Intergranular corrosion (IGC) Practice Z	ASTM A763
1002	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Nodularity in SG Iron	IS 1865
1003	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Nodularity in SG Iron	IS 7754



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1004	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Coating Thickness by Magnetic-Field or Eddy Current (Electromagnetic) Testing Methods	ASTM E376
1005	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Macro-Examination a) Metal Expansion	ASME Section IX
1006	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Thickness of Coating (Magnetic Method)	ASTM B499
1007	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Case Depth (By Microscopic Method)	IS 6416
1008	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Case Depth (Hardness Method)	IS 6416
1009	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Decarburization Test (By Microscopic Method)	ASTM E1077
1010	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Decarburization Test (By Microscopic Method)	IS 6396
1011	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Ferrite Content Test (By Microscopic Method)	ASTM E562
1012	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Inclusion Rating Method A, D	ASTM E45
1013	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Inclusion Rating Method M & K	DIN 50602
1014	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Macroscopic and Microscopic Examination test	BS EN 1321
1015	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Micro Examination	ISO 17639
1016	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Micro Examination (General Structure)	ASM Volume 9
1017	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Micro Examination (General Structure)	ASM Volume 9
1018	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Micro Examination (Grain Size by Comparison Method)	ASTM E112 (2021)
1019	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Micro Examination (Grain Size by Comparison Method)	ASTM E112 (2021)
1020	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Micro Examination (Grain Size by Comparison Method)	ASTM E112 (2021)
1021	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Nodularity in SG Iron	ASTM A247



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1022	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Sulfide Stress Cracking and Stress Corrosion Cracking	NACE TM0177
1023	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Sulfide Stress Cracking and Stress Corrosion Cracking	NACE TM0177
1024	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Thickness of Coating (Microscopic Method)	ASTM B487
1025	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Stress Oriented Hydrogen Induced Cracking Test	EFC 16 (Third Edition)
1026	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Alternate Immersion Stress Corrosion Test	ASTM G44
1027	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Bent-Beam Stress-Corrosion	ASTM G39
1028	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Chloride Stress Corrosion Cracking (CSCC & MgCl ₂) Test	ASTM G36 (2018)
1029	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Hydrogen Induced Cracking Test (HIC)	NACE TM0284
1030	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Stress Oriented Hydrogen Induced Cracking Test	EFC 16 (Third Edition)
1031	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Stress Oriented Hydrogen Induced Cracking Test	NACE MR0175/NACE TM0177
1032	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Stress Oriented Hydrogen Induced Cracking Test	NACE TM0103
1033	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Sulfide Stress Cracking (SSC) Test t(Annex B, Clause 8.3.4)	IS 15490
1034	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Sulfide Stress Cracking (SSC) Test	EFC 16 (Third Edition)
1035	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Sulfide Stress Cracking (SSC) Test	EFC 17 (Third Edition)
1036	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Sulfide Stress Cracking (SSC) Test	ISO 11439 (Annex A, Clause A.3)
1037	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Sulfide Stress Cracking (SSC) Test	NACE TM0316
1038	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Sulfide Stress Cracking (SSC)	ASTM G39 (2021)
1039	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Sulfide Stress Cracking (SSC)	EFC 16 (Third Edition)
1040	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Sulfide Stress Cracking (SSC)	EFC 17 (Second Edition)



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1041	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Sulfide Stress Cracking (SSC)	IS 15490
1042	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Sulfide Stress Cracking (SSC)	ISO 11439
1043	MECHANICAL-METALLOGRAPHY TEST	Nickel based and Chromium Bearing Alloys	Critical Pitting Temperature Test (Method C)	ASTM G48
1044	MECHANICAL-METALLOGRAPHY TEST	Nickel based and Chromium Bearing Alloys	Critical Crevice Temperature Test (Method D)	ASTM G48
1045	MECHANICAL-METALLOGRAPHY TEST	Nickel-Rich Chromium -Bearing Alloys	Ferric Sulfate-Sulfuric Acid Test (Method A)	ASTM G28
1046	MECHANICAL-METALLOGRAPHY TEST	Nickel-Rich Chromium -Bearing Alloys	Mixed Acid -Oxidizing Salt (Method B) Test	ASTM G28
1047	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Determination of Detrimental Intermetallic Phases (Method B)	ASTM A923
1048	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel Castings Containing Both Ferrite and Austenite	Ferrite Content Test (By Ferrite-scope)	ASTM A800/A800M
1049	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Related Alloys	Critical Crevice Temperature Test (Method F)	ASTM G48
1050	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Related Alloys	Critical Pitting Temperature Test (Method E)	ASTM G48
1051	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Related Alloys	Ferric Chloride Crevice Corrosion Test (Method B)	ASTM G48
1052	MECHANICAL-METALLOGRAPHY TEST	Stainless Steels and Related Alloys	Ferric Chloride Pitting Test (Method A)	ASTM G48
1053	MECHANICAL-METALLOGRAPHY TEST	Steel	Inclusion Content (Method A, D)	ASTM E45
1054	MECHANICAL-METALLOGRAPHY TEST	Steel	Micro Examination (Grain Size by Comparison Method)	IS 4748
1055	MECHANICAL-METALLOGRAPHY TEST	Steel	Micro Examination (Grain Size by Comparison Method)	ISO 643
1056	MECHANICAL-METALLOGRAPHY TEST	Steel Castings, Stainless	Ferrite Content Test (By Ferrite-scope)	ASTM A799
1057	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing (Yoke & Prod) Visible & Fluorescent	ASME Sec. V Article 7
1058	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing (Yoke & Prod) Visible & Fluorescent	ASME SE709



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1059	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing (Yoke & Prod) Visible & Fluorescent	ASTM E709
1060	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its alloys	Liquid Penetrant Test by Visible & Florescent Technique using solvent removal technique - for Detection of flaws open to surface	ASME SE165
1061	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its alloys	Liquid Penetrant Test by Visible & Florescent Technique using solvent removal technique - for Detection of flaws open to surface	ASME Sec. V Article 6
1062	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its alloys	Liquid Penetrant Test by Visible & Florescent Technique using solvent removal technique - for Detection of flaws open to surface	ASTM E165
1063	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Castings	Ultrasonic Testing	ASME SA609
1064	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Castings	Ultrasonic Testing	ASTM A609
1065	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Pipes & Tubing	Ultrasonic Testing	ASME SE213
1066	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Pipes & Tubing	Ultrasonic Testing	ASME SE273
1067	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Pipes & Tubing	Ultrasonic Testing	ASTM E213
1068	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys plates	Ultrasonic Testing	ASME SA435
1069	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys plates	Ultrasonic Testing	ASME SA577
1070	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys plates	Ultrasonic Testing	ASME SA578
1071	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys plates	Ultrasonic Testing	ASTM A577
1072	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys plates	Ultrasonic Testing	ASTM A578
1073	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Welds, Forging	Ultrasonic Testing	ASME SA388



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1074	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Welds, Forging	Ultrasonic Testing	ASTM A 388
1075	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Welds, Forging , Plates , Castings, Pipes & Tubing	Ultrasonic Testing	ASME SE164
1076	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Welds, Forging , Plates , Castings, Pipes & Tubing	Ultrasonic Testing	ASME Sec. V Article 4
1077	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Welds, Forging , Plates , Castings, Pipes & Tubing	Ultrasonic Testing	ASTM E164
1078	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys, Welds, Castings	Radiography Testing X-Rays(Kv-250), Gamma Rays (Ir-192)	IS 1182
1079	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys, Welds, Castings	Radiography Testing X-Rays(Kv-250), Gamma Rays (Ir-192)	ASME SE 94
1080	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys, Welds, Castings	Radiography Testing X-Rays(Kv-250), Gamma Rays (Ir-192)	ASME Sec. V Article 2 & 22
1081	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys, Welds, Castings	Radiography Testing X-Rays(Kv-250), Gamma Rays (Ir-192)	ASTM E 94



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Site Testing				
1	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Bromine	IEC 62321 -3-1
2	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Cadmium	IEC 62321-3-1
3	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Cadmium	IS 16197 (Part 3, Sec 1)
4	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Chromium	IEC 62321-3-1
5	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Chromium	IS 16197 (Part 3, Sec 1)
6	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Lead	IEC 62321-3-1
7	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Lead	IS 16197 (Part 3, Sec 1)
8	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Mercury	IEC 62321-3-1
9	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS test for Electronics	Mercury	IS 16197 (Part 3, Sec 1)
10	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Bromine	IEC 62321 -3-1:
11	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Cadmium	IEC 62321-3-1
12	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Cadmium	IS 16197 (Part 3, Sec 1)
13	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Chromium	IEC 62321-3-1



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14	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Chromium	IS 16197 (Part 3, Sec 1)
15	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Lead	IEC 62321-3-1
16	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Lead	IS 16197 (Part 3, Sec 1)
17	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Mercury	IEC 62321-3-1
18	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Lighting,Lamps,lighting fixtures,light bulb,electrical wrings	Mercury	IS 16197 (Part 3, Sec 1)
19	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Bromine	IEC 62321 -3-1
20	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Cadmium	IEC 62321-3-1; 2013, IEC 62321-5
21	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Cadmium	IS 16197 (Part 3, Sec 1)/IS 16197 (Part 5)
22	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Chromium	IEC 62321 -3-1
23	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Chromium	IS 16197 (Part 3, Sec 1)/ IS 16197 (Part 5):
24	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Lead	IEC 62321-3-1, IEC 62321-5
25	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Lead	IS 16197 (Part 3, Sec 1):2014/ IS 16197 (Part 5):2014
26	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Mercury	IEC 62321-3-1; 2013, IEC 62321-4
27	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Metallic Materials	Mercury	IS 16197 (Part 3, Sec 1):2014, / IS 16197 (Part 4):2014



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28	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Bromine	IEC 62321 -3-1:
29	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Cadmium	IEC 62321-3-1
30	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Cadmium	IS 16197 (Part 3: Sec 1)
31	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Chromium	IEC 62321-3-1
32	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Chromium	IS 16197 (Part 3: Sec 1)
33	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Lead	IEC 62321-3-1
34	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Lead	IS 16197 (Part 3: Sec 1)
35	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Mercury	IEC 62321-3-1
36	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Paints & Inks products	Mercury	IS 16197 (Part 3: Sec 1)
37	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues	Bromine	IEC 62321 -3-1
38	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues	Cadmium	IS 16197 (Part 3, Sec 1)
39	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues	Chromium	IS 16197 (Part 3, Sec 1)
40	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues	Lead	IS 16197 (Part 3, Sec 1)
41	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues	Mercury	IS 16197 (Part 3, Sec 1)



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42	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues,	Cadmium	IEC 62321-3-1
43	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues,	Chromium	IEC 62321-3-1
44	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues,	Lead	IEC 62321-3-1
45	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for Products of plastics, Resins,Rubbers,Glues,	Mercury	IEC 62321-3-1
46	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Bromine	IEC 62321-3-1
47	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Cadmium	IEC 62321 -3-1
48	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Cadmium	IS 16197 (Part 3: Sec 1)
49	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Chromium	IEC 62321-3-1
50	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Chromium	IS 16197 (Part 3, Sec 1)
51	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Lead	IEC 62321-3-1
52	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Lead	IS 16197 (Part 3-Sec 1)
53	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Mercury	IEC 62321-3-1
54	CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS	RoHS Test for various computer parts	Mercury	IS 16197 (Part 3, Sec 1)
55	CHEMICAL- METALS & ALLOYS	identification Metallic material by portable XRF analyzer	Chromium	ASTM E1476(Qualitative)



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56	CHEMICAL- METALS & ALLOYS	identification Metallic material by portable XRF analyzer	Cobalt	ASTM E1476 (Qualitative)
57	CHEMICAL- METALS & ALLOYS	identification Metallic material by portable XRF analyzer	Iron	ASTM E1476(Qualitative)
58	CHEMICAL- METALS & ALLOYS	identification Metallic material by portable XRF analyzer	Tin	ASTM E1476(Qualitative)
59	CHEMICAL- METALS & ALLOYS	identification Metallic material by portable XRF analyzer	Titanium	ASTM E1476(Qualitative)
60	CHEMICAL- METALS & ALLOYS	identification Metallic material by portable XRF analyzer	Tungsten	ASTM E1476(Qualitative)
61	CHEMICAL- METALS & ALLOYS	identification Metallic material by portable XRF analyzer	Vanadium	ASTM E1476(Qualitative)
62	CHEMICAL- METALS & ALLOYS	identification Metallic material by portable XRF analyzer	Zinc	ASTM E1476(Qualitative)
63	CHEMICAL- METALS & ALLOYS	identification of Metallic material by portable XRF analyzer	Copper	ASTM E1476(Qualitative)
64	CHEMICAL- METALS & ALLOYS	identification of Metallic material by portable XRF analyzer	Lead	ASTM E1476(Qualitative)
65	CHEMICAL- METALS & ALLOYS	identification of Metallic material by portable XRF analyzer	Manganese	ASTM E1476 (Qualitative)
66	CHEMICAL- METALS & ALLOYS	identification of Metallic material by portable XRF analyzer	Molybdenum	ASTM E1476 (Qualitative)
67	CHEMICAL- METALS & ALLOYS	identification of Metallic material by portable XRF analyzer	Nickel	ASTM E1476(Qualitative)
68	CHEMICAL- METALS & ALLOYS	identification of Metallic material by portable XRF analyzer	Niobium	ASTM E1476(Qualitative)
69	NON-DESTRUCTIVE- METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing (Yoke & Prod) Visible & Fluorescent	ASME Sec. V Article 7
70	NON-DESTRUCTIVE- METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing (Yoke & Prod) Visible & Fluorescent	ASME SE709
71	NON-DESTRUCTIVE- METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing (Yoke & Prod) Visible & Fluorescent	ASTM E709
72	NON-DESTRUCTIVE- METALS & ALLOYS	Ferrous & Non Ferrous Metals & its alloys	Liquid Penetrant Test by Visible & Florescent Technique using solvent removal technique - for Detection of flaws open to surface	ASME SE165



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73	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its alloys	Liquid Penetrant Test by Visible & Florescent Technique using solvent removal technique - for Detection of flaws open to surface	ASME Sec. V Article 6
74	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metals & its alloys	Liquid Penetrant Test by Visible & Florescent Technique using solvent removal technique - for Detection of flaws open to surface	ASTM E165
75	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Castings	Ultrasonic Testing	ASME SA609
76	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Castings	Ultrasonic Testing	ASTM A609
77	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Pipes & Tubing	Ultrasonic Testing	ASME SE213
78	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Pipes & Tubing	Ultrasonic Testing	ASME SE273
79	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Pipes & Tubing	Ultrasonic Testing	ASTM E213
80	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys plates	Ultrasonic Testing	ASME SA435
81	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys plates	Ultrasonic Testing	ASME SA577
82	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys plates	Ultrasonic Testing	ASME SA578
83	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys plates	Ultrasonic Testing	ASTM A577
84	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys plates	Ultrasonic Testing	ASTM A578
85	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Welds, Forging	Ultrasonic Testing	ASME SA388
86	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Welds, Forging	Ultrasonic Testing	ASTM A 388
87	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Welds, Forging , Plates , Castings, Pipes & Tubing	Ultrasonic Testing	ASME SE164
88	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Welds, Forging , Plates , Castings, Pipes & Tubing	Ultrasonic Testing	ASME Sec. V Article 4
89	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Nonferrous metals & alloys Welds, Forging , Plates , Castings, Pipes & Tubing	Ultrasonic Testing	ASTM E164



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TCR ENGINEERING SERVICES PVT LTD, VKB HOUSE, PLOT NO. EL 182, MIDC TTC,
INDUSTRIAL AREA, ELECTRONIC ZONE MAHAPE NAVI MUMBAI MAHARASHTRA, NAVI
MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-6905

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Validity

03/03/2024 to 02/03/2026

Last Amended on

14/06/2024

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
90	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous &Nonferrous metals & alloys, Welds,Castings	Radiography Testing X-Rays(Kv-250), Gamma Rays (Ir-192)	ASME SE 94
91	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous &Nonferrous metals & alloys, Welds,Castings	Radiography Testing X-Rays(Kv-250), Gamma Rays (Ir-192)	ASME Sec. V Article 2 & 22
92	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous &Nonferrous metals & alloys, Welds,Castings	Radiography Testing X-Rays(Kv-250), Gamma Rays (Ir-192)	ASTM E 94