



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TESTING RESEARCH ENGINEERING AND TECHNOLOGICAL SERVICES (TREATS), 14,
RAMANATH PAL ROAD, KIDDERPORE, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-7597

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	CHROMIUM	ASTM E 1251
2	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	CHROMIUM	IS 504 (PART 8)
3	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	COBALT	ASTM E 1251
4	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	COPPER	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	COPPER	IS 504 (PART 3)
6	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	IRON	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	IRON	IS 504 (PART 2)
8	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	LEAD	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	LEAD	IS 504 (PART 1)
10	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	MAGNESIUM	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	MAGNESIUM	Text Book of Quantitative Inorganic Analysis by A.I Vogel, 3rd Edition, Sec V.9
12	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	MANGANESE	ASTM E 1251
13	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	NICKEL	IS: 504 (Part 7)
14	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	NICKEL	ASTM E 1251
15	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	SILICON	IS 504 (PART 1)
16	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	SILICON	ASTM E 1251-a
17	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	TIN	ASTM E 1251
18	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	TIN	IS 504 (PART 9)



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19	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	TITANIUM	ASTM E 1251
20	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	VANADIUM	ASTM E 1251
21	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	ZINC	IS 504(PART 4)
22	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	ZINC	ASTM E 1251
23	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINUM ALLOY	MANGANESE	IS 504 (PART 5)
24	CHEMICAL- METALS & ALLOYS	CAST IRON	CARBON	IS 15338 / ASTM E 1999 / JIS G-1253
25	CHEMICAL- METALS & ALLOYS	CAST IRON	CHROMIUM	IS: 15338 / ASTM E 1999 / JIS G-1253/
26	CHEMICAL- METALS & ALLOYS	CAST IRON	COBALT	IS: 15338 / ASTM E 1999 / JIS G-1253
27	CHEMICAL- METALS & ALLOYS	CAST IRON	COPPER	IS:15338 / ASTM E 1999 / JIS G-1253
28	CHEMICAL- METALS & ALLOYS	CAST IRON	MANGANESE	IS: 15338 / ASTM E 1999 / JIS G-1253
29	CHEMICAL- METALS & ALLOYS	CAST IRON	MOLYBDENUM	IS: 15338 / ASTM E 1999 / JIS G-1253
30	CHEMICAL- METALS & ALLOYS	CAST IRON	NICKEL	IS:15338 / ASTM E 1999 / JIS G-1253
31	CHEMICAL- METALS & ALLOYS	CAST IRON	PHOSPHORUS	IS: 15338 / ASTM E 1999 / JIS G-1253
32	CHEMICAL- METALS & ALLOYS	CAST IRON	SILICON	IS: 15338 / ASTM E 1999 / JIS G-1253
33	CHEMICAL- METALS & ALLOYS	CAST IRON	SULFUR	IS:15338 / ASTM E 1999 / JIS G-1253
34	CHEMICAL- METALS & ALLOYS	CAST IRON	VANADIUM	IS: 15338 / ASTM E 1999/ JIS G-1253
35	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOY	CHROMIUM	BS EN 15079:
36	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ALUMINIUM	BS EN 15079
37	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ANTIMONY	BS EN 15079:



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38	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ARSENIC	BS EN 15079
39	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	BISMUTH	BS EN 15079
40	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	CADMIUM	BS EN 15079
41	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	CARBON	BS EN 15079:
42	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	COBALT	BS EN 15079
43	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	IRON	BS EN 15079
44	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	LEAD	BS EN 15079:
45	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	MANGANESE	BS EN 15079:
46	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	NICKEL	BS EN 15079
47	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	PHOSPHORUS	BS EN 15079:
48	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	SILICON	BS EN 15079
49	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	SILVER	BS EN 15079
50	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	SULFUR	BS EN 15079
51	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	TIN	BS EN 15079:
52	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ZINC	BS EN 15079
53	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ZITCONIUM	BS EN 15079
54	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOY	IRON	IS:440 / IS:4027 (PART 8) / IS 3685 / IS: 3187
55	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOY	MANGANESE	IS 3187 / IS 3685
56	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOY	TIN	IS: 4027 (PART 5) / IS 3685 / IS 440



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57	CHEMICAL- METALS & ALLOYS	Copper & Copper Base Alloys	ALUMINIUM	Text Book of Quantitative Inorganic Analysis by A.I Vogel, 3rd Edition, Sec V.9
58	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOYS	COPPER	IS 440 / IS 3685 / IS 4027(PART 1) / IS 3187/ IS 7212
59	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOYS	LEAD	IS: 440 1964 / IS:3685 / IS: 4027 (PART 1) / IS :3187 / IS 7212
60	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOYS	NICKEL	IS:440 / IS 3685 / IS:3187
61	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOYS	PHOSPHORUS	IS 440 / IS 4027 (PART 3)
62	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOYS	SILICON	IS 3685 / IS 4027 (PART 10)
63	CHEMICAL- METALS & ALLOYS	COPPER & COPPER BASE ALLOYS	ZINC	IS: 3685 / IS:4027 (PART-6) / IS 3187
64	CHEMICAL- METALS & ALLOYS	COPPER & ITS ALLOYS	MERCUROUS NITRATE TEST FOR SURFACE CRACK DETERMINATION	IS 2305
65	CHEMICAL- METALS & ALLOYS	CORROSION TEST IN ARTIFICIAL ATMOSPHERE	SALT SPRAY TEST	ISO:9227
66	CHEMICAL- METALS & ALLOYS	CORROSION TEST IN ARTIFICIAL ATMOSPHERE	SALT SPRAY TEST	ASTM B 117/ ASTM D-1654
67	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	ALUMINIUM	IS:9879 / IS 228(PART 23) / ASTM E 1086 /JIS G-1253
68	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	CALCIUM	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
69	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	COPPER	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
70	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	MANGANESE	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
71	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	MOLYBDENUM	IS:9879 / IS 228 (PART 23) / ASTM E 1086 /JIS G-1253
72	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	NICKEL	IS:9879 / IS 228(PART 23) / ASTM E 1086 / JIS G-1253
73	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	NIObIUM	IS:9879 / IS 228(PART 23) / ASTM E 1086 / JIS G-1253
74	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	PHOSPHORUS	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253



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75	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	SULFUR	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
76	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni Steels/ Stainless Steels	TITANIUM	IS:9879 / IS 228(PART 23) / ASTM E 1086 / JIS G-1253
77	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni Steels/Stainless Steel	SILICON	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
78	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	TIN	IS:9879/ IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
79	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	CARBON	IS:9879 / IS 228 (Part 23) / ASTM E 1086 / JIS G-1253
80	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	CHROMIUM	IS:9879 / IS 228 (PART 23) / ASTM E 1086/ JIS G-1253
81	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	COBALT	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
82	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	NITROGEN	IS:9879 / IS 228 (PART 23) / ASTM E 1086 /JIS G-1253
83	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	TUNGSTEN	IS:9879 / IS 228(PART 23) / ASTM E 1086 / JIS G-1253
84	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	VANADIUM	IS:9879 / IS 228 (PART 23) / ASTM E 1086 /JIS G-1253
85	CHEMICAL- METALS & ALLOYS	FERRO MANGANESE	CARBON	IS 1559 (SEC III)
86	CHEMICAL- METALS & ALLOYS	FERRO MANGANESE	SULPHUR	IS 1559 (SEC III)
87	CHEMICAL- METALS & ALLOYS	FERRO-MANGANESE	MANGANESE	IS 1559-1961(SEC IV)
88	CHEMICAL- METALS & ALLOYS	FERRO-MANGANESE	PHOSPHORUS	IS 13938 (PART 3)
89	CHEMICAL- METALS & ALLOYS	FERRO-MANGANESE	SILICON	IS 13938 (PART 1) / IS 1559 (SEC III)
90	CHEMICAL- METALS & ALLOYS	FERRO-SILICON	CARBON	IS 1559 (PART 2)
91	CHEMICAL- METALS & ALLOYS	FERRO-SILICON	PHOSPHORUS	IS 1559 (PART 4)
92	CHEMICAL- METALS & ALLOYS	FERRO-SILICON	SILICON	IS 1559 (PART 1)
93	CHEMICAL- METALS & ALLOYS	FERRO-SILICON	SULPHUR	IS 1559 (PART 3)



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94	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	CHROMIUM	ASTM E 1476
95	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	COBALT	ASTM E1476
96	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	COPPER	ASTM E 1476
97	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	MANGANESE	ASTM E 1476
98	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	MOLYBDENUM	ASTM E 1476
99	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	NICKEL	ASTM E1476
100	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	TUNGSTEN	ASTM E 1476
101	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	VANADIUM	ASTM E 1476
102	CHEMICAL- METALS & ALLOYS	HIGH CARBON FERRO CHROMIUM & CHARGE CHROME	PHOSPHORUS	IS 13452 (PART 7)
103	CHEMICAL- METALS & ALLOYS	HIGH CARBON FERRO-CHROMIUM & CHARGE CHROME	CHROMIUM	IS 13452 (PART 5)
104	CHEMICAL- METALS & ALLOYS	HIGH CARBON FERRO-CHROMIUM & CHARGE CHROGE CHROME	CARBON	IS 1559 (SEC I)
105	CHEMICAL- METALS & ALLOYS	HIGH CARBON FERRO-CHROMIUM & CHARGE-CHROME	SULPHUR	IS 13452(PART 4)
106	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	CHROMIUM	ASTM E 1476
107	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	COPPER	ASTM E1476
108	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	MANGANESE	ASTM E1476
109	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	MOLYBDENUM	ASTM E 1476
110	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	NICKEL	ASTM E 1476
111	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	NIوبيUM	ASTM E 1476
112	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	TITANIUM	ASTM E 1476



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113	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	VANADIUM	ASTM E 1476
114	CHEMICAL- METALS & ALLOYS	LOW CARBOBN FERRO- CHROMIUM	CHROMIUM	IS 13452 (PART 6)
115	CHEMICAL- METALS & ALLOYS	LOW CARBON FERRO CHROMIUM	CARBON	IS 1559 (SEC 1)
116	CHEMICAL- METALS & ALLOYS	LOW CARBON FERRO CHROMIUM	PHOSPHORUS	IS 13452 (PART 7)
117	CHEMICAL- METALS & ALLOYS	LOW CARBON FERRO-CHROMIUM	SULPHUR	IS 13452 (PART 4)
118	CHEMICAL- METALS & ALLOYS	PIG IRON, CAST IRON & S.G IRON	CARBON	IS 12308 (PART 11)
119	CHEMICAL- METALS & ALLOYS	PIG IRON, CAST IRON & S.G. IRON	CHROMIUM	IS 12308 (PART 8) / ASTM E 351
120	CHEMICAL- METALS & ALLOYS	PIG IRON, CAST IRON & S.G. IRON	MAGNESIUM	Text Book of Quantitative Inorganic Analysis by A.I Vogel, 3rd Edition, Sec VII, 76 & H
121	CHEMICAL- METALS & ALLOYS	PIG IRON, CAST IRON & S.G. IRON	MANGANESE	IS 12308 (PART 10)
122	CHEMICAL- METALS & ALLOYS	PIG IRON, CAST IRON & S.G. IRON	NICKEL	IS 12308 (PART 7) / ASTM 351
123	CHEMICAL- METALS & ALLOYS	PIG IRON, CAST IRON & S.G. IRON	PHOSPHORUS	IS 12308 (PART 5) / ASTM E 351
124	CHEMICAL- METALS & ALLOYS	PIG IRON, CAST IRON & S.G. IRON	SILICON	IS 12308 (PART 6) / ASTM E351
125	CHEMICAL- METALS & ALLOYS	PIG IRON, CAST IRON & S.G. IRON	SULPHUR	IS 12308 (PART 2) / IS 1559
126	CHEMICAL- METALS & ALLOYS	PIG IRON, CAST IRON & S.G. IRON	TC,GC, &CC	IS 12308 (PART 4)
127	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & ALLOY STEEL	CHROMIUM	IS 228 (PART 6) / ASTM E 350 / ASTM E 352
128	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & ALLOY STEEL	COPPER	IS 228 (PART 15) / ASTM E350 / ASTM E352
129	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & ALLOY STEEL	MANGANESE	IS 228 (PART 2) / ASTM E 350
130	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & ALLOY STEEL	MOLYBDENUM	IS:228 (PART 10)



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131	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & ALLOY STEEL	MOLYBDENUM	IS 228 (PART 7)
132	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & ALLOY STEEL	NICKEL	IS 228 (PART 5) / ASTM E350 / ASTM E352
133	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & ALLOY STEEL	PHOSPHORUS	IS 228 (PART 3) / ASTM E350 / ASTM E352
134	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & ALLOY STEEL	SILICON	IS 228 (PART 8) / ASTM E350 / ASTM E352
135	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & ALLOY STEEL	SULPHUR	IS 228 (PART 9) / ASTM 350 / ASTM E 352
136	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & ALLOY STEELS	TUNGSTEN	A Text Book of Quantitative Inorganic Analysis by A.I. Vogel, 3rd Edition, Sec. VII, 76 & H
137	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & ALLOY STEELS	VANADIUM	A Text Book of Quantitative Inorganic Analysis by A.I Vogel, 3rd Edition, Sec VII, 76 & H
138	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	ALUMINIUM	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
139	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	ARSENIC	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
140	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	BORON	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
141	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	CALCIUM	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
142	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	CARBON	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
143	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	CHROMIUM	IS 8811/ IS 228 (PART 23) /ASTM E 415 / JIS G 1253
144	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	COBALT	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253:
145	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	COPPER	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
146	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	MANGANESE	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
147	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	MOLYBDENUM	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
148	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	NICKEL	IS 8811/ IS 228 (PART 23) / ASTM E 415/ JIS G 1253



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149	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	NIObIUM	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
150	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	NITROGEN	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
151	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	PHOSPHORUS	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
152	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	SILICON	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
153	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	SULFUR	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
154	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	TIN	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
155	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	TITANIUM	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
156	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	TUNGSTEN	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253..
157	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	VANADIUM	IS 8811/ IS 228 (PART 23)/ ASTM E 415 / JIS G 1253
158	CHEMICAL- METALS & ALLOYS	PLAIN CARBON AND ALLOY STEEL	CARBON	IS:228 (PART 1)
159	CHEMICAL- METALS & ALLOYS	PURE COPPER	OXYGEN CONTENT	Indian Copper Development Council Brussels Report No. 85
160	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	CHROMIUM	ASTM E1476
161	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	COPPER	ASTM E1476
162	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	MANGANESE	ASTM E 1476
163	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	MOLYBDENUM	ASTM E1476
164	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	NICKEL	ASTM E 1476
165	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	NOBIUM	ASTM E 1476
166	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	TITANIUM	ASTM E 1476
167	CHEMICAL- METALS & ALLOYS	WHITE METAL	ANTIMONY	IS 1409



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168	CHEMICAL- METALS & ALLOYS	WHITE METAL	COPPER	IS 1409
169	CHEMICAL- METALS & ALLOYS	WHITE METAL	LEAD	IS 1409
170	CHEMICAL- METALS & ALLOYS	WHITE METAL	TIN	IS 1409
171	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	ALUMINIUM	ISO:3815-1
172	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	ANTIMONY	ISO:3815-1
173	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	BISMUTH	ISO:3815-1
174	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	CADMIUM	ISO:3815-1
175	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	COPPER	ISO:3815-1
176	CHEMICAL- METALS & ALLOYS	Zinc & Zinc- Alloys	IRON	ISO:3815-1
177	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	LEAD	ISO:3815-1
178	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	MAGNESIUM	ISO:3815-1
179	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	MANGANESE	ISO:3815-1
180	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	NICKEL	ISO:3815-1
181	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	TIN	ISO:3815-1
182	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	TITANIUM	ISO:3815-1
183	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	ZINC	ISO:3815-1
184	CHEMICAL- METALS & ALLOYS	ZINC COATED IRON AND STEEL ARTICALES	DETERMINATION OF MASS OF ZINC COATING	ASTM: A153M -16A / ASTM A90 M-13
185	CHEMICAL- METALS & ALLOYS	ZINC COATED IRON AND STEEL ARTICALES	UNIFORMITY OF ZINC COATING	IS 2633; CI2 / ASTM A 239
186	CHEMICAL- METALS & ALLOYS	ZINC COATED IRON AND STEEL ARTICLES	ADHESION TEST	IS:2629 ; Cl. 6.4/ 6.1



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187	CHEMICAL- RESIDUES IN WATER	DRINKING WATER / DIALYSIS WATER	Zinc	APHA 23rd EDN/3120B
188	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Aluminium	APHA 23rd EDN/3120B / IS 3025 (PART 55)
189	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Antimony	APHA 23rd EDN/3120B:
190	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Arsenic	IS 3025 (PART 37) /APHA 23rd EDN 3500As-B /3120B
191	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Barium	APHA 23rd EDN/3120B:
192	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Beryllium	APHA 23rd EDN/3120B :
193	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Cadmium	APHA 23rd EDN/3120B
194	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Calcium	APHA 23rd EDN/3500 Ca B& 3120B / IS 3025 (PART 40)
195	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Chloramines	APHA 23rd EDN/4500-CIG& 3120B
196	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Chromium	IS 3025(PART 52) / APHA 23rd EDN/3500 Cr-B / APHA 23rd EDN/3120B
197	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Copper	IS 3025(PART 42) / APHA 23rd EDN 3500 Cu-B / APHA 23rd EDN /3120B
198	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Fluoride	APHA 23rd EDN/4500 FA D:
199	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Free Chlorine	IS:3025 (PART 26) / APHA 23rd EDN/4500 Cl B
200	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Lead	IS 3025 (PART 47) / APHA 23rd EDN/3500Pb-B / APHA 23rd EDN/3120B
201	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Magnesium	IS:3025 (PART46) / APHA 23rd EDN/3500MgB & 3120B
202	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	MANGANESE	IS:3025 (PART 59) / APHA 23rd EDN 3120B
203	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Nickel	IS 3025 (PART 54)/ APHA 23rd EDN 3120B
204	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Potassium	APHA 23rd EDN/3500K B & APHA 23rd EDN/3120B



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205	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Selenium	APHA 23rd EDN/3120B
206	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Silver	APHA 23rd EDN/3120B
207	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Sodium	IS: 3025 (PART45) /APHA 23rd EDN./3500Na B,3120B
208	CHEMICAL- RESIDUES IN WATER	DRINKING WATER/ DIALYSIS WATER	Thallium	APHA 23rd EDN/3120B
209	CHEMICAL- WATER	Dialysis Water	Aluminum	APHA 23rd EDN/3120 B
210	CHEMICAL- WATER	Dialysis Water	Antimony	APHA 23rd EDN/3120B
211	CHEMICAL- WATER	Dialysis Water	Arsenic	APHA 23rd EDN/3120B
212	CHEMICAL- WATER	Dialysis Water	Barium	APHA 23rd EDN/3120B
213	CHEMICAL- WATER	Dialysis Water	Beryllium	APHA 23rd EDN/3120 B
214	CHEMICAL- WATER	Dialysis Water	Cadmium	APHA 23rd EDN/3120 B
215	CHEMICAL- WATER	Dialysis Water	Calcium	IS:3025 (PART40)/ APHA 23rd EDN/3500 Ca B & 3120B
216	CHEMICAL- WATER	Dialysis Water	Chloramines	APHA 23rd EDN/4500-CI G
217	CHEMICAL- WATER	Dialysis Water	Chromium	APHA 23rd EDN/3120 B
218	CHEMICAL- WATER	Dialysis Water	Copper	APHA 23rd EDN/3120 B
219	CHEMICAL- WATER	Dialysis Water	Fluoride	APHA 23rd EDN/4500FA D
220	CHEMICAL- WATER	Dialysis Water	Free Chlorine	IS:3025 (PART 26) / APHA 23rd EDN/4500 CI B
221	CHEMICAL- WATER	Dialysis Water	Lead	APHA 23rd EDN/3120 B
222	CHEMICAL- WATER	Dialysis Water	Magnesium	IS:3025 (PART 46) / APHA 23rd EDN/3500Mg B & 3120B
223	CHEMICAL- WATER	Dialysis Water	Potassium	APHA 23rd EDN./3500K B & APHA 23rd EDN./3120 B
224	CHEMICAL- WATER	Dialysis Water	Selenium	APHA 23rd EDN/3120 B
225	CHEMICAL- WATER	Dialysis Water	Silver	APHA 23rd EDN/3120 B
226	CHEMICAL- WATER	Dialysis Water	Sodium	IS:3025 (PART 45) / APHA 23rd EDN./3500Na B,3120 B
227	CHEMICAL- WATER	Dialysis Water	Thallium	APHA 23rd EDN/3120 B
228	CHEMICAL- WATER	Dialysis Water	Zinc	APHA 23rd EDN/3120 B



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229	CHEMICAL- WATER	DRINKING WATER/POTABLE WATER	TOTAL DISSOLVED SOLID(TDS)	APHA 23rd EDN/2540C /IS: 3025 (PART16)
230	CHEMICAL- WATER	DRINKING WATER/POTABLE WATER	CALCIUM(as Ca)	APHA 23rd EDN/3500Ca B & 3120B / IS:3025(PART 4)
231	CHEMICAL- WATER	DRINKING WATER/POTABLE WATER	CHLORAMINES	APHA 23rd EDN/4500-CI G
232	CHEMICAL- WATER	DRINKING WATER/POTABLE WATER	CHLORIDE	IS:3025 (PART 32) / APHA 23rd EDN/4500Cl ⁻ B
233	CHEMICAL- WATER	DRINKING WATER/POTABLE WATER	COLOUR	APHA 23rd EDN/2120 B / IS:3025 (PART 4)
234	CHEMICAL- WATER	DRINKING WATER/POTABLE WATER	FLUORIDE	APHA 23rd EDN/4500F ⁻ D
235	CHEMICAL- WATER	DRINKING WATER/POTABLE WATER	IRON(as Fe)	IS:3025 (PART 53) /APHA 23rd EDN/3500 Fe.B 3120B
236	CHEMICAL- WATER	DRINKING WATER/POTABLE WATER	Magnesium(as Mg)	IS: 3025 (PART 46) / APHA 23rd EDN/3500Mg B & 3120B
237	CHEMICAL- WATER	DRINKING WATER/POTABLE WATER	ODOUR	APHA 23rd EDN/2150C / IS:3025 (PART 5)
238	CHEMICAL- WATER	DRINKING WATER/POTABLE WATER	PHOSPHATE	IS:3025 (PART 31) / APHA 23rd EDN/4500P-C
239	CHEMICAL- WATER	DRINKING WATER/POTABLE WATER	RESIDUAL CHLORINE	IS:3025 (PART.26) / APHA 23rd EDN/4500 Cl B
240	CHEMICAL- WATER	DRINKING WATER/POTABLE WATER	TOTAL ALKALINITY	IS:3025 (PART 23) / APHA 23rd EDN./2320B
241	CHEMICAL- WATER	DRINKING WATER/POTABLE WATER	Total Arsenic(as As)	IS: 3025 (PART 37) / APHA 23rd EDN./3500As-B & 3120 B
242	CHEMICAL- WATER	DRINKING WATER/POTABLE WATER	TOTAL CHROMIUM(as Cr)	IS:3025(PART 52) / APHA 23rd EDN/3500Cr-B & 3120B
243	CHEMICAL- WATER	DRINKING WATER/POTABLE WATER	TOTAL HARDNESS(as CaCO ₃)	IS:3025 (PART 21) / APHA 23rd EDN./2340C
244	CHEMICAL- WATER	PACKAGED DRINKING WATER	ALKALINITY(as HCO ₃)	IS:3025 (PART 23) / APHA 23rd EDN./2320B
245	CHEMICAL- WATER	PACKAGED DRINKING WATER	CALCIUM(as Ca)	IS:3025 (PART40) /APHA 23rd EDN./3500Ca B
246	CHEMICAL- WATER	PACKAGED DRINKING WATER	CHLORIDE	IS:3025 (Part 32) / APHA 23rd EDN./4500Cl ⁻ B
247	CHEMICAL- WATER	PACKAGED DRINKING WATER	CHROMIUM(as Cr)	IS:3025 (PART 52) / APHA 23rd EDN./3120-B, 3500Cr-B
248	CHEMICAL- WATER	PACKAGED DRINKING WATER	COLOUR	IS:3025 (PART 4) / APHA 23rd EDN./2120 B



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249	CHEMICAL- WATER	PACKAGED DRINKING WATER	FLOURIDE	APHA 23rd EDN/4500 F ⁻ D
250	CHEMICAL- WATER	PACKAGED DRINKING WATER	IRON(as Fe)	IS:3025 (PART 53) / APHA 23rd EDN/3500Fe B & 3120B
251	CHEMICAL- WATER	PACKAGED DRINKING WATER	MAGNESIUM(as Mg)	IS:3025 (PART 46) / APHA 23rd EDN/3500 Mg B & 3120B
252	CHEMICAL- WATER	PACKAGED DRINKING WATER	NITRITE(as NO ₂)	IS:3025 (PART 34) / APHA 23rd EDN/4500NO ⁻ 2B
253	CHEMICAL- WATER	PACKAGED DRINKING WATER	ODOUR	IS:3025 (PART 5) / APHA 23rd EDN/2150C
254	CHEMICAL- WATER	PACKAGED DRINKING WATER	RESIDUAL FREE CHLORINE	IS:3025 (PART 26) / APHA 23rd EDN/4500Cl B
255	CHEMICAL- WATER	PACKAGED DRINKING WATER	SODIUM(as Na)	IS:3025 (PART45) / APHA 23 EDN./3500Na 3120 B
256	CHEMICAL- WATER	PACKAGED DRINKING WATER	TOTAL DISSOLVED SOLIDS(TDS)	IS:3025 (PART 16) / APHA 23rd EDN./2540 C
257	CHEMICAL- WATER	PACKAGED NATURAL MINERAL WATER	ALKALINITY(as HCO ₃)	IS:3025 (PART 23) / APHA 23rd EDN/2320 B
258	CHEMICAL- WATER	PACKAGED NATURAL MINERAL WATER	CALCIUM(as Ca)	IS:3025 (PART 40) / APHA 23rd EDN/3500 Ca B & 3120 B
259	CHEMICAL- WATER	PACKAGED NATURAL MINERAL WATER	CHLORIDE	IS:3025 (PART 32)/ APHA 23rd EDN/4500Cl ⁻ B
260	CHEMICAL- WATER	PACKAGED NATURAL MINERAL WATER	COLOUR	IS:3025(PART 4) / APHA 23rd EDN/2120B
261	CHEMICAL- WATER	PACKAGED NATURAL MINERAL WATER	FLUORIDE	APHA 23rd EDN/4500 F ⁻ D
262	CHEMICAL- WATER	PACKAGED NATURAL MINERAL WATER	Magnesium(as Mg)	IS:3025 (Part 46)/ APHA 23rd EDN/3500Mg B & 3120B
263	CHEMICAL- WATER	PACKAGED NATURAL MINERAL WATER	Manganese(as Mn)	APHA 23rd EDN 3120 B
264	CHEMICAL- WATER	PACKAGED NATURAL MINERAL WATER	NITRITE(as NO ₂)	IS:3025 (PART 34) / APHA 23rd EDN./4500 NO ⁻ 2 B
265	CHEMICAL- WATER	PACKAGED NATURAL MINERAL WATER	ODOUR	IS:3025 (PART 5) / APHA 23rd EDN/2150C
266	CHEMICAL- WATER	PACKAGED NATURAL MINERAL WATER	SODIUM(as Na)	IS:3025 (PART 45) / APHA 23rd EDN./3500 Na B / APHA 3120 B
267	CHEMICAL- WATER	PACKAGED NATURAL MINERAL WATER	TOTAL DISSOLVED SOLIDS(TDS)	IS:3025 (PART 16) / APHA 23rd END/2540C
268	MECHANICAL- MECHANICAL PROPERTIES OF METALS	DEFORMED STEEL BARS	BEND TEST	IS:1599/2019



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269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Deformed Steel Bars	Mass Per Meter Run, Re-Bend Test.	IS 1786
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	DEFORMED STEEL BARS	TENSILE TEST(0.1%, 0.2%,0.4% P.S, TS & % Elg)	IS:1786
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS MATERIAL, SPRING WASHER	COMPRESSIVE STRENGTH, COMPRESSION TEST, PERMANENT SET TEST, TWIST TEST	BS:4464
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS MATERIALS	BRINELL HARDNESS TEST	ASTM: A370
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS MATERIALS HARD MATERIALS	VICKERS HARDNESS TEST	IS:1501(Part I)
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS MATERIALS, SPRING WASHER	COMPRESSIVE STRENGTH, COMPRESSION TEST, PERMANENT SET TEST, TWIST TEST	IS:3063-1994(R.A. 2015)
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS MATERIALS, SPRING WASHER	COMPRESSIVE STRENGTH, COMPRESSION TEST, PERMANENT SET TEST, TWIST TEST	ASTM: E9-2019,
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS TUBES	DRIFT EXPANSION TEST	IS:2335 / IS:1239(Part 2)
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS TUBES	FLATTENING TEST	IS:2328-2018
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS & NON FERROUS TUBES	FLATTENING TEST	ASTM A370-2019 e1
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS AND NON FERROUS MATERIAL	VICKERS HARDNESS TEST	ISO:6507-1
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Bend Test	ASME Sec IX
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Tensile Test (YS/PS 0.1, 0.2, 0.5%, TS, % El, % RA), Breaking Load	IS:1608 Pt 1



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282	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Bend Test	IS:277
283	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Bend Test	IS:1599
284	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	BEND TEST	AWS D1.1
285	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Bend Test	ISO:7438
286	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Bend Test	ASTM A 370 e1
287	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous material and welded test coupon	Charpy Impact Test	IS:1757 Pt 1
288	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous material and welded test coupon	Charpy Impact Test	ANSI/AWWA C151/A21.51
289	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous material and welded test coupon	Charpy Impact Test	ASTM E23
290	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous material and welded test coupon	Charpy Impact Test	IS: 1499
291	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Lateral Expansion and % Shear Test	ASTM E 23
292	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous material and welded test coupon	Lateral Expansion and % Shear Test	ISO:148-1
293	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and welded test coupon	Rockwell Hardness Test	IS:1586 PART 1
294	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous material and welded test coupon	Rockwell Hardness Test	ASTM A 370 e1
295	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Rockwell Hardness Test	ISO:6508-1



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296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Tensile Test (YS/PS 0.1, 0.2, 0.5%, TS, % El, % RA), Breaking Load	ISO:6892-1
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	Tensile Test (YS/PS 0.1, 0.2, 0.5%, TS, % El, % RA), Breaking Load	ASME Sec IX
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and Welded Test Coupon	TENSILE TEST(Y.S.,0.1,0.2 & 0.5% P.S., T.S., % ELONGATION & % R.A.) BREAKING LOAD TEST	ASTM: A370
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material and welded test coupon	Vickers Hardness Test	ASTM E 92
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous material and welded test coupons	BRINELL HARDNESS TEST	ISO-6506-1
301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous material and welded test coupons	Charpy Impact Test	ISO:148-1
302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Material andWelded Test Coupon	Rockwell Hardness Test	IS:5652 (PART 1)
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	FERROUS AND NON FERROUS MATERIALS	BRINELL HARDNESS TEST	IS 1500(Pt 1)
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous materials, spring washer	Compressive Strength, Compression Test, Permanent Set Test, Twist Test	Gost 6402
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous tubes	Drift Expansion Test	ISO:8493
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and non ferrous tubes	Flattening Test	ISO: 8492
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous welded test coupon	Bend Test	ISO 5173
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous welded test coupon	Fracture Test	ISO 9017



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309	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Welded Test Coupon	Nick Break Test	API 1104
310	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous welded test coupon	Tensile Test	ISO:4136
311	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous and Non Ferrous Welded Test coupon	Visual Examination	ISO 17637
312	MECHANICAL- MECHANICAL PROPERTIES OF METALS	FERROUS BOLTS	HEAD SOUNDNESS TEST	IS:1367(PART-3)
313	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Bolts	Head Soundness Test	ISO:898-1
314	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Bolts	Shear Test	IS:12427/2001 RS 2016
315	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Bolts	Shear Test	IS:5242
316	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Bolts	Shear Test	IS:6639
317	MECHANICAL- MECHANICAL PROPERTIES OF METALS	FERROUS RIVETS	HEAD SOUNDNESS TEST	IS:10102-1982, R.A
318	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hard Material	Vickers Hardness Test	IS:12783
319	MECHANICAL- MECHANICAL PROPERTIES OF METALS	METALLIC MATERIALS	IZOD IMPACT TEST	IS: 1598-1977,R.A.
320	MECHANICAL- MECHANICAL PROPERTIES OF METALS	NON-FERROUS TUBES(COPPER)	DOUBLING-OVER TEST	IS:2501
321	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Fasteners Bolts / Screw	Tensile, Proof Load, Wedge Load test	AS/NZS/1559
322	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Fasteners Bolts / Screw	Tensile, Proof Load, Wedge Load Test	ASTM A 193



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323	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Fasteners Bolts / Screw	Tensile, Proof Load, Wedge Load tests	IS:1367 Pt 3/2017 & Pt 14/2018
324	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Fasteners Bolts / Screw	Tensile, Proof Load, Wedge Load Tests	ISO:898-1
325	MECHANICAL- MECHANICAL PROPERTIES OF METALS	STEEL FASTENERS NUTS	PROOF LOAD TEST	IS 1367(Part 14)SEC II-2018, IS 1367(Part -6)
326	MECHANICAL- MECHANICAL PROPERTIES OF METALS	STEEL FASTENERS NUTS	PROOF LOAD TEST	ASTM: A194M
327	MECHANICAL- MECHANICAL PROPERTIES OF METALS	STEEL FASTNERS NUTS	PROOF LOAD TEST	ISO:898-2
328	MECHANICAL- MECHANICAL PROPERTIES OF METALS	STEEL FASTNERS NUTS	PROOF LOAD TEST	AS/NZS:1559
329	MECHANICAL- METALLOGRAPHY TEST	ALUMINUM AND ITS ALLOYS	THICKNESS OF ANODIC COATINGS(MICROSCOPIC METHOD),	IS:5523
330	MECHANICAL- METALLOGRAPHY TEST	AUSTENITC STAINLESS STEELS	DETECTING SUSCEPTIBILITY TO INTERGRANULAR CORROSION ATTACK - PRACTICE C (IGC C)	IS:10461 Part 1
331	MECHANICAL- METALLOGRAPHY TEST	AUSTENITIC STAINLESS STEELS	DETECTING SUSCEPTIBILITY TO INERGRANULA CORROSION ATTACK- PRACTICE E (IGC E)	IS:10461 Part 2
332	MECHANICAL- METALLOGRAPHY TEST	AUSTENITIC STAINLESS STEELS	DETECTING SUSCEPTIBILITY TO INTERGRANULAR CORROSION ATTACK - (IGC B & C)	ASTM: A 262 (PRACTICE B & C)
333	MECHANICAL- METALLOGRAPHY TEST	AUSTENITIC STAINLESS STEELS	DETECTING SUSCEPTIBILITY TO INTERGRANULAR CORROSION ATTACK - IGC PRACTICE A & E	ASTM A 262 (PRACTICE A & E)
334	MECHANICAL- METALLOGRAPHY TEST	CAST IRON	MICROSTRUCTURE EXAMINATION, IN-SITU METALLOGRAPHY- PRODUCTION & EVALUATION OF REPLICAS FOR GRAPHITE	IS:7754



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335	MECHANICAL-METALLOGRAPHY TEST	DUCTILE IRON	MICROSTRUCTURE EXAMINATION, IN-SITU METALLOGRAPHY- PRODUCTION & EVALUATION OF REPLICAS FOR NODULARITY AND NODULE COUNT TEST	ASTM E 2567
336	MECHANICAL-METALLOGRAPHY TEST	ELECTROPLATED COATING	TESTING LOCAL THICKNESS BY MICROSCOPIC METHOD	ASTM B487-1985
337	MECHANICAL-METALLOGRAPHY TEST	FERROUS AND NON FERROUS	ESTIMATION OF: a)AVERAGE GRAIN SIZE, b) AUSTENITIC GRAIN SIZE FOR STEEL(COMPARISON METHOD)	IS:4748-2009 RA
338	MECHANICAL-METALLOGRAPHY TEST	FERROUS AND NON FERROUS	ESTIMATION OF: a)AVERAGE GRAIN SIZE, b) AUSTENITIC GRAIN SIZE FOR STEEL(COMPARISON METHOD)	ASTM: E112
339	MECHANICAL-METALLOGRAPHY TEST	FERROUS AND NON FERROUS	TESTING LOCAL THICKNESS BY MICROSCOPIC METHOD ELECTROPLATED COATING	IS:3203-1982(R.A.2016)
340	MECHANICAL-METALLOGRAPHY TEST	FERROUS AND NON FERROUS MATERIAL AND WELDED TEST COUPON	MACRO EXAMINATION	ASTM E340
341	MECHANICAL-METALLOGRAPHY TEST	FERROUS AND NON FERROUS METAL	ESTIMATION OF: a)AVERAGE GRAIN SIZE, b) AUSTENITIC GRAIN SIZE FOR STEEL(COMPARISON METHOD)	ISO:643
342	MECHANICAL-METALLOGRAPHY TEST	FERROUS AND NON FERROUS METAL	MICROSTRUCTURE EXAMINATION, IN-SITU METALLOGRAPHY- PRODUCTION & EVALUATION OF REPLICAS	METAL HANDBOOK VOL7, 8th EDITON
343	MECHANICAL-METALLOGRAPHY TEST	FERROUS AND NON FERROUS METAL	MICROSTRUCTURE EXAMINATION, IN-SITU METALLOGRAPHY- PRODUCTION & EVALUATION OF REPLICAS	ASTM E1351
344	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non Ferrous welded test coupons	Macro and Micro examination	ISO:17639
345	MECHANICAL-METALLOGRAPHY TEST	IRON AND STEEL PRODUCTS	TESTING LOCAL THICKNESS BY MICROSCOPIC METHOD OF ZINC	IS:1573
346	MECHANICAL-METALLOGRAPHY TEST	PHOSPHATE COATING ON IRON AND STEEL	DETERMINATION OF MASS OF PHOSPHATE COATING	IS 3618



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347	MECHANICAL-METALLOGRAPHY TEST	STEEL PRODUCTS	MACRO EXAMINATION	IS:13015
348	MECHANICAL-METALLOGRAPHY TEST	STEELS	DETERMINATION OF NON METALLIC INCLUSION CONTENT BY MICROSCOPIC EXAMINATION	IS: 4163
349	MECHANICAL-METALLOGRAPHY TEST	STEELS	DETERMINATION OF NON-METALLIC INCLUSION CONTENT BY MICROSCOPIC EXAMINATION	ISO 4967
350	MECHANICAL-METALLOGRAPHY TEST	STEELS	DETERMINATION OF NON-METALLIC INCLUSION CONTENT BY MICROSCOPIC EXAMINATION	ASTM E45:2018a Method A
351	MECHANICAL-METALLOGRAPHY TEST	STEELS	MEASUREMENT OF CASE DEPTH(MICROSCOPIC METHOD)	IS:6416
352	MECHANICAL-METALLOGRAPHY TEST	STEELS	MEASUREMENT OF DEPTH OF DECARBURISATION (MICROSCOPIC METHOD)	IS:6396/2000
353	MECHANICAL-METALLOGRAPHY TEST	STEELS	MEASUREMENT OF DEPTH OF DECARBURISATION BY MICROSCOPIC METHOD	ASTM E1077
354	MECHANICAL-METALLOGRAPHY TEST	TIN COATING ON IRON,STEEL,NICKEL ALLOYS, COPPER AND COPPER ALLOYS	DETERMINATION OF THICKNESS OF TIN COATING BY MASS METHOD	IS 1359
355	MECHANICAL-METALLOGRAPHY TEST	WROUGHT STEEL PRODUCT	MACRO EXAMINATION	IS;11371
356	MECHANICAL-METALLOGRAPHY TEST	ZINC COATED IRON AND STEEL ARTICALS	DETERMINATION OF MAS OF ZINC COATING	IS:6745;CL. 3.1 / IS:1573 / BS EN ISO:1461
357	NON-DESTRUCTIVE-METALS & ALLOYS	CASTINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A 609
358	NON-DESTRUCTIVE-METALS & ALLOYS	CASTINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:7666
359	NON-DESTRUCTIVE-METALS & ALLOYS	CASTINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:9565
360	NON-DESTRUCTIVE-METALS & ALLOYS	CASTINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	EN 10160/1999



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361	NON-DESTRUCTIVE-METALS & ALLOYS	DETECTION OF INTERNAL FLAW	ULTRASONIC FLAW DETECTION BY A SCAN CONTACT METHOD	IS 3664-81
362	NON-DESTRUCTIVE-METALS & ALLOYS	DETECTION OF INTERNAL FLAWS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASME SEC V ARTICLE 23
363	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTING AND FORGING	MAGNETIC PARTIAL TESTING (YOKE TYPE)-VISIBLE	ASTM A275
364	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE - VISIBLE)	ASME SEC V ARTICLE 25
365	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	ISO 17638
366	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	IS:7743
367	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	IS:3703
368	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	ASTM E 709
369	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF PIPES, TUBES & WELDS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	IS:5334
370	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF PIPES, TUBES & WELDS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	IS:6752
371	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF PIPES, TUBES, WELD, CASTING & FORGING	MAGNETIC PARTICLE TESTING (YOKE - VISIBLE)	IS:3703
372	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON FERROUS MATERIAL MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ASTM E1417
373	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON FERROUS MATERIAL MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ISO 3452-1
374	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON FERROUS MATERIAL MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	BS:6443
375	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON FERROUS MATERIAL MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ASTM E 165
376	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON FERROUS MATERIAL MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ASTM E1220



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377	NON-DESTRUCTIVE-METALS & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:11626
378	NON-DESTRUCTIVE-METALS & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A388
379	NON-DESTRUCTIVE-METALS & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:8791
380	NON-DESTRUCTIVE-METALS & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E114
381	NON-DESTRUCTIVE-METALS & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A 745
382	NON-DESTRUCTIVE-METALS & ALLOYS	LIQUID PENETRANT TESTING OF MATERIALS	Liquid Penetrant test by Solvent Removable type(Visible)	IS:3658:99
383	NON-DESTRUCTIVE-METALS & ALLOYS	PIPE AND TUBE PRODUCTS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E 273
384	NON-DESTRUCTIVE-METALS & ALLOYS	PIPE/TUBE PRODUCT	FLAW DETECTION BY A-SCAN CONTACT METHOD	IS 6394:06 RA
385	NON-DESTRUCTIVE-METALS & ALLOYS	PIPES AND TUBES	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E 213
386	NON-DESTRUCTIVE-METALS & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A 435
387	NON-DESTRUCTIVE-METALS & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A578
388	NON-DESTRUCTIVE-METALS & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	EN 10160
389	NON-DESTRUCTIVE-METALS & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A577
390	NON-DESTRUCTIVE-METALS & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:4225



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391	NON-DESTRUCTIVE-METALS & ALLOYS	PLATES	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:11630
392	NON-DESTRUCTIVE-METALS & ALLOYS	STRUCTURAL WELDS	ULTRASONIC TESTING	AWS. D1.1:
393	NON-DESTRUCTIVE-METALS & ALLOYS	THICKNESS MEASUREMENT	FLAW DETECTION BY A-SCAN CONTACT METHOD	ASTM E797/
394	NON-DESTRUCTIVE-METALS & ALLOYS	ULTRASONIC TESTING -DETECTION OF INTERNAL FLAWS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:4260
395	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASME SEC V ARTICLE 4
396	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:4260:04
397	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E 587
398	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:7343
399	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ISO:17640
400	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E 164
401	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E 747
402	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E155
403	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E 1032
404	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	IS:3657
405	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E390
406	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	IS:1182



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407	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	IS:2595
408	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E 94
409	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E272
410	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASME SEC V ARTICLE 2&3
411	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	IS:4853
412	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ISO:17636 PT 1&2
413	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E 142
414	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	AWS D1.1
415	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E446
416	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ISO:5817
417	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E1030



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Laboratory Name :	TESTING RESEARCH ENGINEERING AND TECHNOLOGICAL SERVICES (TREATS), 14, RAMANATH PAL ROAD, KIDDERPORE, KOLKATA, WEST BENGAL, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Mobile Facility				
1	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	CHROMIUM	ASTM E 1251
2	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	COBALT	ASTM E 1251
3	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	COPPER	ASTM E 1251
4	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	IRON	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	LEAD	ASTM E 1251
6	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	MAGNESIUM	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	MANGANESE	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	NICKEL	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	SILICON	ASTM E 1251-a
10	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	TIN	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	TITANIUM	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	VANADIUM	ASTM E 1251
13	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	ZINC	ASTM E 1251
14	CHEMICAL- METALS & ALLOYS	CAST IRON	CARBON	IS 15338 / ASTM E 1999 / JIS G-1253
15	CHEMICAL- METALS & ALLOYS	CAST IRON	CHROMIUM	IS: 15338 / ASTM E 1999 / JIS G-1253/
16	CHEMICAL- METALS & ALLOYS	CAST IRON	COBALT	IS: 15338 / ASTM E 1999 / JIS G-1253
17	CHEMICAL- METALS & ALLOYS	CAST IRON	COPPER	IS:15338 / ASTM E 1999 / JIS G-1253
18	CHEMICAL- METALS & ALLOYS	CAST IRON	MANGANESE	IS: 15338 / ASTM E 1999 / JIS G-1253



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19	CHEMICAL- METALS & ALLOYS	CAST IRON	MOLYBDENUM	IS: 15338 / ASTM E 1999 / JIS G-1253
20	CHEMICAL- METALS & ALLOYS	CAST IRON	NICKEL	IS:15338 / ASTM E 1999 / JIS G-1253
21	CHEMICAL- METALS & ALLOYS	CAST IRON	PHOSPHORUS	IS: 15338 / ASTM E 1999 / JIS G-1253
22	CHEMICAL- METALS & ALLOYS	CAST IRON	SILICON	IS: 15338 / ASTM E 1999 / JIS G-1253
23	CHEMICAL- METALS & ALLOYS	CAST IRON	SULFUR	IS:15338 / ASTM E 1999 / JIS G-1253
24	CHEMICAL- METALS & ALLOYS	CAST IRON	VANADIUM	IS: 15338 / ASTM E 1999/ JIS G-1253
25	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOY	CHROMIUM	BS EN 15079:
26	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ALUMINIUM	BS EN 15079
27	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ANTIMONY	BS EN 15079:
28	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ARSENIC	BS EN 15079
29	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	BISMUTH	BS EN 15079
30	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	CADMIUM	BS EN 15079
31	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	CARBON	BS EN 15079:
32	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	COBALT	BS EN 15079
33	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	IRON	BS EN 15079
34	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	LEAD	BS EN 15079:
35	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	MANGANESE	BS EN 15079:
36	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	NICKEL	BS EN 15079
37	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	PHOSPHORUS	BS EN 15079:



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38	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	SILICON	BS EN 15079
39	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	SILVER	BS EN 15079
40	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	SULFUR	BS EN 15079
41	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	TIN	BS EN 15079:
42	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ZINC	BS EN 15079
43	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ZITCONIUM	BS EN 15079
44	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	ALUMINIUM	IS:9879 / IS 228(PART 23) / ASTM E 1086 / JIS G-1253
45	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	CALCIUM	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
46	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	COPPER	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
47	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	MANGANESE	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
48	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	MOLYBDENUM	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
49	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	NICKEL	IS:9879 / IS 228(PART 23) / ASTM E 1086 / JIS G-1253
50	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	NIOBIUM	IS:9879 / IS 228(PART 23) / ASTM E 1086 / JIS G-1253
51	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	PHOSPHORUS	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
52	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	SULFUR	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
53	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni Steels/ Stainless Steels	TITANIUM	IS:9879 / IS 228(PART 23) / ASTM E 1086 / JIS G-1253
54	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni Steels/Stainless Steel	SILICON	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
55	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	TIN	IS:9879/ IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
56	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	CARBON	IS:9879 / IS 228 (Part 23) / ASTM E 1086 / JIS G-1253



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57	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	CHROMIUM	IS:9879 / IS 228 (PART 23) / ASTM E 1086/ JIS G-1253
58	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	COBALT	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
59	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	NITROGEN	IS:9879 / IS 228 (PART 23) / ASTM E 1086 /JIS G-1253
60	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	TUNGSTEN	IS:9879 / IS 228(PART 23) / ASTM E 1086 / JIS G-1253
61	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	VANADIUM	IS:9879 / IS 228 (PART 23) / ASTM E 1086 //JIS G-1253
62	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	CHROMIUM	ASTM E 1476
63	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	COBALT	ASTM E1476
64	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	COPPER	ASTM E 1476
65	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	MANGANESE	ASTM E 1476
66	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	MOLYBDENUM	ASTM E 1476
67	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	NICKEL	ASTM E1476
68	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	TUNGSTEN	ASTM E 1476
69	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	VANADIUM	ASTM E 1476
70	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	CHROMIUM	ASTM E 1476
71	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	COPPER	ASTM E1476
72	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	MANGANESE	ASTM E1476
73	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	MOLYBDENUM	ASTM E 1476
74	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	NICKEL	ASTM E 1476
75	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	NIObIUM	ASTM E 1476



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76	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	TITANIUM	ASTM E 1476
77	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	VANADIUM	ASTM E 1476
78	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	ALUMINIUM	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
79	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	ARSENIC	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
80	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	BORON	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
81	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	CALCIUM	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
82	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	CARBON	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
83	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	CHROMIUM	IS 8811/ IS 228 (Part 23) /ASTM E 415 / JIS G 1253
84	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	COBALT	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253:
85	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	COPPER	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
86	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	MANGANESE	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
87	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	MOLYBDENUM	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
88	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	NICKEL	IS 8811/ IS 228 (PART 23) / ASTM E 415/ JIS G 1253
89	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	NIOBIUM	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
90	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	NITROGEN	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
91	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	PHOSPHORUS	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
92	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	SILICON	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
93	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	SULFUR	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
94	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	TIN	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253



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95	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	TITANIUM	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
96	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	TUNGSTEN	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253..
97	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	VANADIUM	IS 8811/ IS 228 (PART 23)/ ASTM E 415 / JIS G 1253
98	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	CHROMIUM	ASTM E1476
99	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	COPPER	ASTM E1476
100	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	MANGANESE	ASTM E 1476
101	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	MOLYBDENUM	ASTM E1476
102	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	NICKEL	ASTM E 1476
103	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	NOBIUM	ASTM E 1476
104	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	TITANIUM	ASTM E 1476
105	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	ALUMINIUM	ISO:3815-1
106	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	ANTIMONY	ISO:3815-1
107	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	BISMUTH	ISO:3815-1
108	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	CADMIUM	ISO:3815-1
109	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	COPPER	ISO:3815-1
110	CHEMICAL- METALS & ALLOYS	Zinc & Zinc- Alloys	IRON	ISO:3815-1
111	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	LEAD	ISO:3815-1
112	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	MAGNESIUM	ISO:3815-1
113	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	MANGANESE	ISO:3815-1



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114	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	TIN	ISO:3815-1
115	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	TITANIUM	ISO:3815-1
116	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	ZINC	ISO:3815-1
117	MECHANICAL- METALLOGRAPHY TEST	DUCTILE IRON	MICROSTRUCTURE EXAMINATION, IN-SITU METALLOGRAPHY- PRODUCTION & EVALUATION OF REPLICAS FOR NODULARITY AND NODULE COUNT TEST	ASTM E 2567
118	MECHANICAL- METALLOGRAPHY TEST	FERROUS AND NON FERROUS METAL	MICROSTRUCTURE EXAMINATION, IN-SITU METALLOGRAPHY- PRODUCTION & EVALUATION OF REPLICAS	METAL HANDBOOK VOL7, 8th EDITON
119	MECHANICAL- METALLOGRAPHY TEST	FERROUS AND NON FERROUS METAL	MICROSTRUCTURE EXAMINATION, IN-SITU METALLOGRAPHY- PRODUCTION & EVALUATION OF REPLICAS	ASTM E1351
120	NON-DESTRUCTIVE- METALS & ALLOYS	CASTINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A 609
121	NON-DESTRUCTIVE- METALS & ALLOYS	CASTINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:9565
122	NON-DESTRUCTIVE- METALS & ALLOYS	CASTINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:7666
123	NON-DESTRUCTIVE- METALS & ALLOYS	CASTINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	EN 10160/1999
124	NON-DESTRUCTIVE- METALS & ALLOYS	DETECTION OF INTERNAL FLAW	ULTRASONIC FLAW DETECTION BY A SCAN CONTACT METHOD	IS 3664-81
125	NON-DESTRUCTIVE- METALS & ALLOYS	DETECTION OF INTERNAL FLAWS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASME SEC V ARTICLE 23
126	NON-DESTRUCTIVE- METALS & ALLOYS	EXAMINATION OF CASTING AND FORGING	MAGNETIC PARTICAL TESTING (YOKE TYPE)-VISIBLE	ASTM A275



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127	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE - VISIBLE)	ASME SEC V ARTICLE 25
128	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	ISO 17638
129	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	IS:7743
130	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	IS:3703
131	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	ASTM E 709
132	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF PIPES, TUBES & WELDS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	IS:5334
133	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF PIPES, TUBES & WELDS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	IS:6752
134	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF PIPES, TUBES, WELD, CASTING & FORGING	MAGNETIC PARTICLE TESTING (YOKE - VISIBLE)	IS:3703
135	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON FERROUS MATERIAL MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ASTM E1417
136	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON FERROUS MATERIAL MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ISO 3452-1
137	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON FERROUS MATERIAL MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	BS:6443
138	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON FERROUS MATERIAL MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ASTM E 165
139	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON FERROUS MATERIAL MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ASTM E1220
140	NON-DESTRUCTIVE-METALS & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:11626
141	NON-DESTRUCTIVE-METALS & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A388
142	NON-DESTRUCTIVE-METALS & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:8791



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143	NON-DESTRUCTIVE-METALS & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E114
144	NON-DESTRUCTIVE-METALS & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A 745
145	NON-DESTRUCTIVE-METALS & ALLOYS	LIQUID PENETRANT TESTING OF MATERIALS	Liquid Penetrant test by Solvent Removable type(Visible)	IS:3658:99
146	NON-DESTRUCTIVE-METALS & ALLOYS	PIPE AND TUBE PRODUCTS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E 273
147	NON-DESTRUCTIVE-METALS & ALLOYS	PIPE/TUBE PRODUCT	FLAW DETECTION BY A-SCAN CONTACT METHOD	IS 6394:06 RA
148	NON-DESTRUCTIVE-METALS & ALLOYS	PIPES AND TUBES	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E 213
149	NON-DESTRUCTIVE-METALS & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A 435
150	NON-DESTRUCTIVE-METALS & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A578
151	NON-DESTRUCTIVE-METALS & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	EN 10160
152	NON-DESTRUCTIVE-METALS & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A577
153	NON-DESTRUCTIVE-METALS & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:4225
154	NON-DESTRUCTIVE-METALS & ALLOYS	PLATES	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:11630
155	NON-DESTRUCTIVE-METALS & ALLOYS	STRUCTURAL WELDS	ULTRASONIC TESTING	AWS. D1.1:
156	NON-DESTRUCTIVE-METALS & ALLOYS	THICKNESS MEASUREMENT	FLAW DETECTION BY A-SCAN CONTACT METHOD	ASTM E797/



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157	NON-DESTRUCTIVE-METALS & ALLOYS	ULTRASONIC TESTING -DETECTION OF INTERNAL FLAWS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:4260
158	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASME SEC V ARTICLE 4
159	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:4260:04
160	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E 587
161	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:7343
162	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ISO:17640
163	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E 164
164	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E 747
165	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E155
166	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E 1032
167	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	IS:3657
168	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E390
169	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	IS:1182
170	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	IS:2595
171	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E 94
172	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E272



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173	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASME SEC V ARTICLE 2&3
174	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	IS:4853
175	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ISO:17636 PT 1&2
176	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E 142
177	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	AWS D1.1
178	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E446
179	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ISO:5817
180	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E1030



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Site Facility				
1	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	CHROMIUM	ASTM E 1251
2	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	COBALT	ASTM E 1251
3	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	COPPER	ASTM E 1251
4	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	IRON	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	LEAD	ASTM E 1251
6	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	MAGNESIUM	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	MANGANESE	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	NICKEL	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	SILICON	ASTM E 1251-a
10	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	TIN	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	TITANIUM	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	VANADIUM	ASTM E 1251
13	CHEMICAL- METALS & ALLOYS	ALUMINIUM & ALUMINIUM ALLOYS	ZINC	ASTM E 1251
14	CHEMICAL- METALS & ALLOYS	CAST IRON	CARBON	IS 15338 / ASTM E 1999 / JIS G-1253
15	CHEMICAL- METALS & ALLOYS	CAST IRON	CHROMIUM	IS: 15338 / ASTM E 1999 / JIS G-1253/
16	CHEMICAL- METALS & ALLOYS	CAST IRON	COBALT	IS: 15338 / ASTM E 1999 / JIS G-1253
17	CHEMICAL- METALS & ALLOYS	CAST IRON	COPPER	IS:15338 / ASTM E 1999 / JIS G-1253
18	CHEMICAL- METALS & ALLOYS	CAST IRON	MANGANESE	IS: 15338 / ASTM E 1999 / JIS G-1253



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19	CHEMICAL- METALS & ALLOYS	CAST IRON	MOLYBDENUM	IS: 15338 / ASTM E 1999 / JIS G-1253
20	CHEMICAL- METALS & ALLOYS	CAST IRON	NICKEL	IS:15338 / ASTM E 1999 / JIS G-1253
21	CHEMICAL- METALS & ALLOYS	CAST IRON	PHOSPHORUS	IS: 15338 / ASTM E 1999 / JIS G-1253
22	CHEMICAL- METALS & ALLOYS	CAST IRON	SILICON	IS: 15338 / ASTM E 1999 / JIS G-1253
23	CHEMICAL- METALS & ALLOYS	CAST IRON	SULFUR	IS:15338 / ASTM E 1999 / JIS G-1253
24	CHEMICAL- METALS & ALLOYS	CAST IRON	VANADIUM	IS: 15338 / ASTM E 1999/ JIS G-1253
25	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOY	CHROMIUM	BS EN 15079:
26	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ALUMINIUM	BS EN 15079
27	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ANTIMONY	BS EN 15079:
28	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ARSENIC	BS EN 15079
29	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	BISMUTH	BS EN 15079
30	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	CADMIUM	BS EN 15079
31	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	CARBON	BS EN 15079:
32	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	COBALT	BS EN 15079
33	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	IRON	BS EN 15079
34	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	LEAD	BS EN 15079:
35	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	MANGANESE	BS EN 15079:
36	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	NICKEL	BS EN 15079
37	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	PHOSPHORUS	BS EN 15079:



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38	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	SILICON	BS EN 15079
39	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	SILVER	BS EN 15079
40	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	SULFUR	BS EN 15079
41	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	TIN	BS EN 15079:
42	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ZINC	BS EN 15079
43	CHEMICAL- METALS & ALLOYS	COPPER & COPPER ALLOYS	ZITCONIUM	BS EN 15079
44	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	ALUMINIUM	IS:9879 / IS 228(PART 23) / ASTM E 1086 / JIS G-1253
45	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	CALCIUM	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
46	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	COPPER	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
47	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	MANGANESE	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
48	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	MOLYBDENUM	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
49	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	NICKEL	IS:9879 / IS 228(PART 23) / ASTM E 1086 / JIS G-1253
50	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	NIOBIUM	IS:9879 / IS 228(PART 23) / ASTM E 1086 / JIS G-1253
51	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	PHOSPHORUS	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
52	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/ STAINLESS STEELS	SULFUR	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
53	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni Steels/ Stainless Steels	TITANIUM	IS:9879 / IS 228(PART 23) / ASTM E 1086 / JIS G-1253
54	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni Steels/Stainless Steel	SILICON	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
55	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	TIN	IS:9879/ IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
56	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	CARBON	IS:9879 / IS 228 (Part 23) / ASTM E 1086 / JIS G-1253



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57	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	CHROMIUM	IS:9879 / IS 228 (PART 23) / ASTM E 1086/ JIS G-1253
58	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	COBALT	IS:9879 / IS 228 (PART 23) / ASTM E 1086 / JIS G-1253
59	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	NITROGEN	IS:9879 / IS 228 (PART 23) / ASTM E 1086 /JIS G-1253
60	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	TUNGSTEN	IS:9879 / IS 228(PART 23) / ASTM E 1086 / JIS G-1253
61	CHEMICAL- METALS & ALLOYS	Cr-Cr/Ni STEELS/STAINLESS STEELS	VANADIUM	IS:9879 / IS 228 (PART 23) / ASTM E 1086 //JIS G-1253
62	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	CHROMIUM	ASTM E 1476
63	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	COBALT	ASTM E1476
64	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	COPPER	ASTM E 1476
65	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	MANGANESE	ASTM E 1476
66	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	MOLYBDENUM	ASTM E 1476
67	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	NICKEL	ASTM E1476
68	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	TUNGSTEN	ASTM E 1476
69	CHEMICAL- METALS & ALLOYS	HIGH ALLOY STEELS	VANADIUM	ASTM E 1476
70	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	CHROMIUM	ASTM E 1476
71	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	COPPER	ASTM E1476
72	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	MANGANESE	ASTM E1476
73	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	MOLYBDENUM	ASTM E 1476
74	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	NICKEL	ASTM E 1476
75	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	NIObIUM	ASTM E 1476



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76	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	TITANIUM	ASTM E 1476
77	CHEMICAL- METALS & ALLOYS	LOW ALLOY STEELS	VANADIUM	ASTM E 1476
78	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	ALUMINIUM	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
79	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	ARSENIC	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
80	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	BORON	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
81	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	CALCIUM	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
82	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	CARBON	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
83	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	CHROMIUM	IS 8811/ IS 228 (Part 23) /ASTM E 415 / JIS G 1253
84	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	COBALT	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253:
85	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	COPPER	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
86	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	MANGANESE	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
87	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	MOLYBDENUM	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
88	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	NICKEL	IS 8811/ IS 228 (PART 23) / ASTM E 415/ JIS G 1253
89	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	NIوبيUM	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
90	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	NITROGEN	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
91	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	PHOSPHORUS	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
92	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	SILICON	IS 8811 / IS 228 (PART 23) / ASTM E 415 / JIS G 1253
93	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	SULFUR	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
94	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	TIN	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253



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95	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	TITANIUM	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253
96	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	TUNGSTEN	IS 8811/ IS 228 (PART 23) / ASTM E 415 / JIS G 1253:.
97	CHEMICAL- METALS & ALLOYS	PLAIN CARBON & LOW ALLOY STEEL	VANADIUM	IS 8811/ IS 228 (PART 23)/ ASTM E 415 / JIS G 1253
98	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	CHROMIUM	ASTM E1476
99	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	COPPER	ASTM E1476
100	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	MANGANESE	ASTM E 1476
101	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	MOLYBDENUM	ASTM E1476
102	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	NICKEL	ASTM E 1476
103	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	NOBIUM	ASTM E 1476
104	CHEMICAL- METALS & ALLOYS	STAINLESS STEELS	TITANIUM	ASTM E 1476
105	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	ALUMINIUM	ISO:3815-1
106	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	ANTIMONY	ISO:3815-1
107	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	BISMUTH	ISO:3815-1
108	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	CADMIUM	ISO:3815-1
109	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	COPPER	ISO:3815-1
110	CHEMICAL- METALS & ALLOYS	Zinc & Zinc- Alloys	IRON	ISO:3815-1
111	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	LEAD	ISO:3815-1
112	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	MAGNESIUM	ISO:3815-1
113	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	MANGANESE	ISO:3815-1



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114	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	TIN	ISO:3815-1
115	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	TITANIUM	ISO:3815-1
116	CHEMICAL- METALS & ALLOYS	ZINC & ZINC- ALLOYS	ZINC	ISO:3815-1
117	MECHANICAL- METALLOGRAPHY TEST	CAST IRON	MICROSTRUCTURE EXAMINATION, IN-SITU METALLOGRAPHY- PRODUCTION & EVALUATION OF REPLICAS FOR GRAPHITE	IS:7754
118	MECHANICAL- METALLOGRAPHY TEST	DUCTILE IRON	MICROSTRUCTURE EXAMINATION, IN-SITU METALLOGRAPHY- PRODUCTION & EVALUATION OF REPLICAS FOR NODULARITY AND NODULE COUNT TEST	ASTM E 2567
119	MECHANICAL- METALLOGRAPHY TEST	FERROUS AND NON FERROUS METAL	MICROSTRUCTURE EXAMINATION, IN-SITU METALLOGRAPHY- PRODUCTION & EVALUATION OF REPLICAS	METAL HANDBOOK VOL7, 8th EDITON
120	MECHANICAL- METALLOGRAPHY TEST	FERROUS AND NON FERROUS METAL	MICROSTRUCTURE EXAMINATION, IN-SITU METALLOGRAPHY- PRODUCTION & EVALUATION OF REPLICAS	ASTM E1351
121	NON-DESTRUCTIVE- METALS & ALLOYS	CASTINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A 609
122	NON-DESTRUCTIVE- METALS & ALLOYS	CASTINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:9565
123	NON-DESTRUCTIVE- METALS & ALLOYS	CASTINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:7666
124	NON-DESTRUCTIVE- METALS & ALLOYS	CASTINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	EN 10160/1999
125	NON-DESTRUCTIVE- METALS & ALLOYS	DETECTION OF INTERNAL FLAW	ULTRASONIC FLAW DETECTION BY A SCAN CONTACT METHOD	IS 3664-81



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126	NON-DESTRUCTIVE-METALS & ALLOYS	DETECTION OF INTERNAL FLAWS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASME SEC V ARTICLE 23
127	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTING AND FORGING	MAGNETIC PARTIAL TESTING (YOKE TYPE)-VISIBLE	ASTM A275
128	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE - VISIBLE)	ASME SEC V ARTICLE 25
129	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	ISO 17638
130	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	IS:7743
131	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	IS:3703
132	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF CASTINGS AND FORGINGS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	ASTM E 709
133	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF PIPES, TUBES & WELDS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	IS:5334
134	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF PIPES, TUBES & WELDS	MAGNETIC PARTICLE TESTING (YOKE VISIBLE)	IS:6752
135	NON-DESTRUCTIVE-METALS & ALLOYS	EXAMINATION OF PIPES, TUBES, WELD, CASTING & FORGING	MAGNETIC PARTICLE TESTING (YOKE - VISIBLE)	IS:3703
136	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON FERROUS MATERIAL MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ASTM E1417
137	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON FERROUS MATERIAL MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ISO 3452-1
138	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON FERROUS MATERIAL MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	BS:6443
139	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON FERROUS MATERIAL MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ASTM E 165
140	NON-DESTRUCTIVE-METALS & ALLOYS	FERROUS AND NON FERROUS MATERIAL MATERIAL	LIQUID PENETRANT TEST BY SOLVENT REMOVAL TYPE (VISIBLE)	ASTM E1220
141	NON-DESTRUCTIVE-METALS & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:11626



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142	NON-DESTRUCTIVE-METALS & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A388
143	NON-DESTRUCTIVE-METALS & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:8791
144	NON-DESTRUCTIVE-METALS & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E114
145	NON-DESTRUCTIVE-METALS & ALLOYS	FORGINGS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A 745
146	NON-DESTRUCTIVE-METALS & ALLOYS	LIQUID PENETRANT TESTING OF MATERIALS	Liquid Penetrant test by Solvent Removable type(Visible)	IS:3658:99
147	NON-DESTRUCTIVE-METALS & ALLOYS	PIPE AND TUBE PRODUCTS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E 273
148	NON-DESTRUCTIVE-METALS & ALLOYS	PIPE/TUBE PRODUCT	FLAW DETECTION BY A-SCAN CONTACT METHOD	IS 6394:06 RA
149	NON-DESTRUCTIVE-METALS & ALLOYS	PIPES AND TUBES	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E 213
150	NON-DESTRUCTIVE-METALS & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A 435
151	NON-DESTRUCTIVE-METALS & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A578
152	NON-DESTRUCTIVE-METALS & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	EN 10160
153	NON-DESTRUCTIVE-METALS & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM A577
154	NON-DESTRUCTIVE-METALS & ALLOYS	PLATE	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:4225
155	NON-DESTRUCTIVE-METALS & ALLOYS	PLATES	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:11630



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156	NON-DESTRUCTIVE-METALS & ALLOYS	STRUCTURAL WELDS	ULTRASONIC TESTING	AWS. D1.1:
157	NON-DESTRUCTIVE-METALS & ALLOYS	THICKNESS MEASUREMENT	FLAW DETECTION BY A-SCAN CONTACT METHOD	ASTM E797/
158	NON-DESTRUCTIVE-METALS & ALLOYS	ULTRASONIC TESTING -DETECTION OF INTERNAL FLAWS	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:4260
159	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASME SEC V ARTICLE 4
160	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:4260:04
161	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E 587
162	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	IS:7343
163	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ISO:17640
164	NON-DESTRUCTIVE-METALS & ALLOYS	WELD	ULTRASONIC FLAW DETECTION BY "A- SCAN" CONTACT METHOD	ASTM E 164
165	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E 747
166	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E155
167	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E 1032
168	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	IS:3657
169	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E390
170	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	IS:1182
171	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNGS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	IS:2595



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172	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNCS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E 94
173	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNCS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E272
174	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNCS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASME SEC V ARTICLE 2&3
175	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNCS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	IS:4853
176	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNCS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ISO:17636 PT 1&2
177	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNCS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E 142
178	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNCS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	AWS D1.1
179	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNCS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E446
180	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNCS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ISO:5817
181	NON-DESTRUCTIVE-METALS & ALLOYS	WELDMENTS AND METALLIC CASTING / FORGNCS (FERROUS AND NON FERROUS)	RADIOGRAPHY TESTNG BY X-RAY & GAMMA RAY (IR-192)	ASTM E1030