National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 1 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- CORROSION TESTS	Anodized Products / Panels / Raw Materials	Salt Spray Test	ASTM B117
2	CHEMICAL- CORROSION TESTS	Austenitic Stainless Steel	IGC Practice A	ASTM A262
3	CHEMICAL- CORROSION TESTS	Austenitic Stainless Steel	IGC Practice B	ASTM A262
4	CHEMICAL- CORROSION TESTS	Austenitic Stainless Steel	IGC Practice C	ASTM A262
5	CHEMICAL- CORROSION TESTS	Austenitic Stainless Steel	IGC Practice E	ASTM A262
6	CHEMICAL- CORROSION TESTS	Coated Products / Panels / Raw Materials	Salt Spray test	ASTM B117
7	CHEMICAL- CORROSION TESTS	Duplex Austenitic/Ferritic Stainless Steels	IGC Method A	ASTM A923
8	CHEMICAL- CORROSION TESTS	Duplex Austenitic/Ferritic Stainless Steels	IGC Method C	ASTM A923
9	CHEMICAL- CORROSION TESTS	Galvanized Products / Panels / Raw Materials	Salt Spray test	ASTM B117
10	CHEMICAL- CORROSION TESTS	Inorganic & Organic coated product/ material	Salt Spray test	ASTM B117
11	CHEMICAL- CORROSION TESTS	Metallic Materials	SSCC	NACE TM 0177
12	CHEMICAL- CORROSION TESTS	Mettalic products and Raw Materials	Salt Spray test	ASTM B117
13	CHEMICAL- CORROSION TESTS	Painted Products / Panels / Raw Materials	Salt Spray test	ASTM B117
14	CHEMICAL- CORROSION TESTS	Pipeline and Pressure Vessel Steels	HIC Test	NACE TM 0284
15	CHEMICAL- CORROSION TESTS	Plated Products / Panels / Raw Materials	Salt Spray test	ASTM B117
16	CHEMICAL- CORROSION TESTS	Weld Parts	Salt Spray test	ASTM B117
17	CHEMICAL- CORROSION TESTS	Wrought, Nickel-Rich, Chromium-Bearing Alloys	IGC Method-A	ASTM G28-02
18	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Copper (Cu)	ASTM E 1251

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 2 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Iron (Fe)	ASTM E 1251
20	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Lead (Pb)	ASTM E 1251
21	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Magnesium (Mg)	ASTM E 1251
22	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Nickel (Ni)	ASTM E 1251
23	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Silicon (Si)	ASTM E 1251
24	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Tin (Sn)	ASTM E1251
25	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Titanium (Ti)	ASTM E 1251
26	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Vanadium (V)	ASTM E 1251
27	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloy	Zinc (Zn)	ASTM E 1251
28	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Chromium (Cr)	ASTM E 1251
29	CHEMICAL- METALS & ALLOYS	Aluminum and Aluminum Alloys	Manganese (Mn)	ASTM E 1251
30	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Carbon (C)	IS 9879
31	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Chromium (Cr)	IS 9879
32	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Copper (Cu)	IS 9879
33	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Manganese (Mn)	IS 9879
34	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Molybdenum (Mo)	IS 9879
35	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Nickel (Ni)	IS 9879
36	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Phosphorus (P)	IS 9879
37	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Silicon (Si)	IS 9879

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 3 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
38	CHEMICAL- METALS & ALLOYS	Austenitic and Ferritic Stainless Steels	Sulphur (S)	IS 9879
39	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Carbon (C)	ASTM E1086
40	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Chromium (Cr)	ASTM E1086
41	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Copper (Cu)	ASTM E1086
42	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Manganese (Mn)	ASTM E1086
43	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Molybdenum (Mo)	ASTM E1086
44	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Nickel (Ni)	ASTM E1086
45	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Phosphorus (P)	ASTM E1086
46	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Silicon (Si)	ASTM E1086
47	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Sulphur (S)	ASTM E1086
48	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Aluminium (Al)	ASTM E415
49	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Aluminium (Al)	IS 8811
50	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Arsenic (As)	ASTM E415
51	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Boron (B)	ASTM E415
52	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Carbon (C)	IS 8811
53	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Carbon (C)	ASTM E415
54	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Chromium (Cr)	ASTM E415
55	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Chromium (Cr)	IS 8811
56	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Cobalt (Co)	ASTM E415

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 4 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
57	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Cobalt (Co)	IS 8811
58	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Copper (Cu)	ASTM E415
59	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Copper (Cu)	IS 8811
60	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Manganese (Mn)	ASTM E415
61	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Manganese (Mn)	IS 8811
62	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Molybdenum (Mo)	ASTM E415
63	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Molybdenum (Mo)	IS 8811
64	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Nickel (Ni)	ASTM E415
65	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Nickel (Ni)	IS 8811
66	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Niobium (Nb)	ASTM E415
67	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Niobium (Nb)	IS 8811
68	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Nitrogen (N)	ASTM E415
69	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Phosphorus (P)	ASTM E415
70	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Phosphorus (P)	IS 8811
71	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Silicon (Si)	ASTM E415
72	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Silicon (Si)	IS 8811
73	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Sulphur (S)	ASTM E415
74	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Sulphur (S)	IS 8811
75	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Tin (Sn)	ASTM E415

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 5 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
76	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Tin (Sn)	IS 8811
77	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Titanium (Ti)	ASTM E415
78	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Titanium (Ti)	IS 8811
79	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Vanadium (V)	ASTM E 415
80	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Vanadium (V)	IS 8811
81	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Zirconium (Zr)	ASTM E415
82	CHEMICAL- METALS & ALLOYS	Carbon and Low-Alloy Steel	Zirconium (Zr)	IS 8811
83	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon (C)	ASTM E 1999
84	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium (Cr)	ASTM E 1999
85	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper (Cu)	ASTM E 1999
86	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese (Mn)	ASTM E 1999
87	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum (Mo)	ASTM E 1999
88	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel (Ni)	ASTM E 1999
89	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus (P)	ASTM E 1999
90	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon (Si)	ASTM E 1999
91	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur (S)	ASTM E 1999
92	CHEMICAL- METALS & ALLOYS	Cast Iron	Tin (Sn)	ASTM E 1999
93	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium (Ti)	ASTM E 1999
94	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium (V)	ASTM E 1999

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 6 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
95	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Copper (Cu)	ASTM E1476-04
96	CHEMICAL- METALS & ALLOYS	copper and copper alloys	Aluminium (Al)	BS 15079
97	CHEMICAL- METALS & ALLOYS	copper and copper alloys	Antimony (Sb)	BS 15079
98	CHEMICAL- METALS & ALLOYS	copper and copper alloys	Arsenic (As)	BS 15079
99	CHEMICAL- METALS & ALLOYS	copper and copper alloys	Iron (Fe)	BS 15079
100	CHEMICAL- METALS & ALLOYS	copper and copper alloys	Lead (Pb)	BS 15079
101	CHEMICAL- METALS & ALLOYS	copper and copper alloys	Manganese (Mn)	BS 15079
102	CHEMICAL- METALS & ALLOYS	copper and copper alloys	Nickel (Ni)	BS 15079
103	CHEMICAL- METALS & ALLOYS	copper and copper alloys	Phosphorus (P)	BS 15079
104	CHEMICAL- METALS & ALLOYS	copper and copper alloys	Silicon (Si)	BS 15079
105	CHEMICAL- METALS & ALLOYS	copper and copper alloys	Sulphur (S)	BS 15079
106	CHEMICAL- METALS & ALLOYS	copper and copper alloys	Tin (Sn)	BS 15079
107	CHEMICAL- METALS & ALLOYS	copper and copper alloys	Zinc (Zn)	BS 15079
108	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Chromium (Cr)	ASTM E1476-04
109	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Cobalt (Co)	ASTM E1476-04
110	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Copper (Cu)	ASTM E1476-04
111	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Iron (Fe)	ASTM E1476- 04
112	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Manganese (Mn)	ASTM E1476-04
113	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Molybdenum (Mo)	ASTM E1476-04

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 7 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
114	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Nickel (Ni)	ASTM E1476-04
115	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Niobium (Nb)	ASTM E1476-04
116	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Titanium (Ti)	ASTM E1476-04
117	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Tungsten (W)	ASTM E1476-04
118	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Vanadium (V)	ASTM E1476-04
119	CHEMICAL- METALS & ALLOYS	Ferrous & Non Ferrous Alloys	Carbon (C)	ASTM E1019
120	CHEMICAL- METALS & ALLOYS	Ferrous & Non Ferrous Alloys	Sulphur (S)	ASTM E1019
121	CHEMICAL- METALS & ALLOYS	High Manganese Steel	Aluminium (Al)	ASTM E2209
122	CHEMICAL- METALS & ALLOYS	High Manganese Steel	Carbon (C)	ASTM E2209
123	CHEMICAL- METALS & ALLOYS	High Manganese Steel	Chromium (Cr)	ASTM E2209
124	CHEMICAL- METALS & ALLOYS	High Manganese Steel	Manganese (Mn)	ASTM E2209
125	CHEMICAL- METALS & ALLOYS	High Manganese Steel	Molybdenum (Mo)	ASTM E2209
126	CHEMICAL- METALS & ALLOYS	High Manganese Steel	Nickel (Ni)	ASTM E2209
127	CHEMICAL- METALS & ALLOYS	High Manganese Steel	Phosphorus (P)	ASTM E2209
128	CHEMICAL- METALS & ALLOYS	High Manganese Steel	Silicon (Si)	ASTM E2209
129	CHEMICAL- METALS & ALLOYS	Iron and Steel	Aluminium (Al)	JIS G 1253
130	CHEMICAL- METALS & ALLOYS	Iron and Steel	Carbon (C)	JIS G 1253
131	CHEMICAL- METALS & ALLOYS	Iron and Steel	Carbon (C)	JIS G 1253
132	CHEMICAL- METALS & ALLOYS	Iron and Steel	Chromium (Cr)	JIS G 1253

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 8 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
133	CHEMICAL- METALS & ALLOYS	Iron and Steel	Chromium (Cr)	JIS G 1253
134	CHEMICAL- METALS & ALLOYS	Iron and Steel	Cobalt (Co)	JIS G 1253
135	CHEMICAL- METALS & ALLOYS	Iron and Steel	Cobalt (Co)	JIS G 1253
136	CHEMICAL- METALS & ALLOYS	Iron and Steel	Copper (Cu)	JIS G 1253
137	CHEMICAL- METALS & ALLOYS	Iron and Steel	Copper (Cu)	JIS G 1253
138	CHEMICAL- METALS & ALLOYS	Iron and Steel	Manganese (Mn)	JIS G 1253
139	CHEMICAL- METALS & ALLOYS	Iron and Steel	Manganese (Mn)	JIS G 1253
140	CHEMICAL- METALS & ALLOYS	Iron and Steel	Molybdenum (Mo)	JIS G 1253
141	CHEMICAL- METALS & ALLOYS	Iron and Steel	Molybdenum (Mo)	JIS G 1253
142	CHEMICAL- METALS & ALLOYS	Iron and Steel	Nickel (Ni)	JIS G 1253
143	CHEMICAL- METALS & ALLOYS	Iron and Steel	Nickel (Ni)	JIS G 1253
144	CHEMICAL- METALS & ALLOYS	Iron and Steel	Niobium (Nb)	JIS G 1253
145	CHEMICAL- METALS & ALLOYS	Iron and Steel	Nitrogen (N)	JIS G 1253
146	CHEMICAL- METALS & ALLOYS	Iron and Steel	Phosphorus (P)	JIS G 1253
147	CHEMICAL- METALS & ALLOYS	Iron and Steel	Phosphorus (P)	JIS G 1253
148	CHEMICAL- METALS & ALLOYS	Iron and Steel	Silicon (Si)	JIS G 1253
149	CHEMICAL- METALS & ALLOYS	Iron and Steel	Silicon (Si)	JIS G 1253
150	CHEMICAL- METALS & ALLOYS	Iron and Steel	Sulphur (S)	JIS G 1253
151	CHEMICAL- METALS & ALLOYS	Iron and Steel	Sulphur (S)	JIS G 1253

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 9 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
152	CHEMICAL- METALS & ALLOYS	Iron and Steel	Tin (Sn)	JIS G 1253
153	CHEMICAL- METALS & ALLOYS	Iron and Steel	Titanium (Ti)	JIS G 1253
154	CHEMICAL- METALS & ALLOYS	Iron and Steel	Tungsten (W)	JIS G 1253
155	CHEMICAL- METALS & ALLOYS	Iron and Steel	Tungsten (W)	JIS G 1253
156	CHEMICAL- METALS & ALLOYS	Iron and Steel	Vanadium (V)	JIS G 1253
157	CHEMICAL- METALS & ALLOYS	Iron and Steel	Vanadium V)	JIS G 1253
158	CHEMICAL- METALS & ALLOYS	Metals & Products	Chromium (Cr)	ASTM E1476-04
159	CHEMICAL- METALS & ALLOYS	Metals & Products	Cobalt (Co)	ASTM E1476-04
160	CHEMICAL- METALS & ALLOYS	Metals & Products	Copper (Cu)	ASTM E1476-04
161	CHEMICAL- METALS & ALLOYS	Metals & Products	Iron (Fe)	ASTM E1476-04
162	CHEMICAL- METALS & ALLOYS	Metals & Products	Lead (Pb)	ASTM E1476-04
163	CHEMICAL- METALS & ALLOYS	Metals & Products	Manganese (Mn)	ASTM E1476-04
164	CHEMICAL- METALS & ALLOYS	Metals & Products	Molybdenum (Mo)	ASTM E1476-04
165	CHEMICAL- METALS & ALLOYS	Metals & Products	Nickel (Ni)	ASTM E1476-04
166	CHEMICAL- METALS & ALLOYS	Metals & Products	Niobium (Nb)	ASTM E1476-04
167	CHEMICAL- METALS & ALLOYS	Metals & Products	Tin (Sn)	ASTM E1476-04
168	CHEMICAL- METALS & ALLOYS	Metals & Products	Titanium (Ti)	ASTM E1476-04
169	CHEMICAL- METALS & ALLOYS	Metals & Products	Tungsten (W)	ASTM E1476-04
170	CHEMICAL- METALS & ALLOYS	Metals & Products	Zinc (Zn)	ASTM E1476-04

SCOPE OF ACCREDITATION

Laboratory Name :	TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-7986
Page No	10 of 25
Validity	10/10/2022 to 09/10/2024
Last Amended on	-

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
171	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Nickel (Ni)	ASTM E1476-04
172	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Aluminium (Al)	ASTM E3047
173	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Carbon (C)	ASTM E3047
174	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Chromium (Cr)	ASTM E3047
175	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Cobalt (Co)	ASTM E3047
176	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Copper (Cu)	ASTM E3047
177	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Iron (Fe)	ASTM E3047
178	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Manganese (Mn)	ASTM E3047
179	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Molybdenum (Mo)	ASTM E3047
180	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Niobium (Nb)	ASTM E3047
181	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Phosphorus (P)	ASTM E3047
182	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Silicon (Si)	ASTM E3047
183	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Sulphur (S)	ASTM E3047
184	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Titanium (Ti)	ASTM E3047
185	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Tungsten (W)	ASTM E3047
186	CHEMICAL- METALS & ALLOYS	Nickel Alloys	Vanadium (V)	ASTM E3047
187	CHEMICAL- METALS & ALLOYS	Steel Product	Carbon (C)	ASTM A751
188	CHEMICAL- METALS & ALLOYS	Steel Product	Chromium (Cr)	ASTM A751
189	CHEMICAL- METALS & ALLOYS	Steel Product	Cobalt (Co)	ASTM A751

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 11 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
190	CHEMICAL- METALS & ALLOYS	Steel Product	Manganese (Mn)	ASTM A751
191	CHEMICAL- METALS & ALLOYS	Steel Product	Molybdenum (Mo)	ASTM A751
192	CHEMICAL- METALS & ALLOYS	Steel Product	Nickel (Ni)	ASTM A751
193	CHEMICAL- METALS & ALLOYS	Steel Product	Niobium (Nb)	ASTM A751
194	CHEMICAL- METALS & ALLOYS	Steel Product	Nitrogen (N)	ASTM A751
195	CHEMICAL- METALS & ALLOYS	Steel Product	Phosphorus (P)	ASTM A751
196	CHEMICAL- METALS & ALLOYS	Steel Product	Silicon (Si)	ASTM A751
197	CHEMICAL- METALS & ALLOYS	Steel Product	Sulphur (S)	ASTM A751
198	CHEMICAL- METALS & ALLOYS	Steel Product	Titanium (Ti)	ASTM A751
199	CHEMICAL- METALS & ALLOYS	Steel Product	Tungsten (Ti)	ASTM A751
200	CHEMICAL- METALS & ALLOYS	Steel Product	Vanadium (V)	ASTM A751
201	CHEMICAL- METALS & ALLOYS	Steel Products	Aluminum (Al)	ASTM A751
202	CHEMICAL- METALS & ALLOYS	Steel Products	Copper (Cu)	ASTM A751
203	CHEMICAL- METALS & ALLOYS	Wrought aluminium alloys	Aluminium (Al)	IS 11035
204	CHEMICAL- METALS & ALLOYS	Wrought aluminium alloys	Chromium (Cr)	IS 11035
205	CHEMICAL- METALS & ALLOYS	Wrought aluminium alloys	Copper (Cu)	IS 11035
206	CHEMICAL- METALS & ALLOYS	Wrought aluminium alloys	Iron (Fe)	IS 11035
207	CHEMICAL- METALS & ALLOYS	Wrought aluminium alloys	Magnesium (Mg)	IS 11035
208	CHEMICAL- METALS & ALLOYS	Wrought aluminium alloys	Manganese (Mn)	IS 11035

SCOPE OF ACCREDITATION

Laboratory Name :	TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-7986
Page No	12 of 25
Validity	10/10/2022 to 09/10/2024
Last Amended on	-

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
209	CHEMICAL- METALS & ALLOYS	Wrought aluminium alloys	Silicon (Si)	IS 11035
210	CHEMICAL- METALS & ALLOYS	Wrought aluminium alloys	Titanium (Ti)	IS 11035
211	CHEMICAL- METALS & ALLOYS	Wrought aluminium alloys	Zinc (Zn)	IS 11035
212	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Case Hardened Steel	Case Depth (Micro Vickers Hardness)	IS 6416
213	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper & Copper Alloys Pipe & Tubes	Flattening Test (Pipe & Tubes)	ASTM B968/ 968M
214	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bar and Wires	Mass Per Meter	1786
215	MECHANICAL- MECHANICAL PROPERTIES OF METALS	High Strength Deformed Steel Bar and Wires	Re-Bend Test	IS1786
216	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Alloys	Macro Etch Test	ASTM E340
217	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal & Alloys	Macro Etch Test	ASTM E340
218	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Ultimate Tensile Strength at Elevated Temperature	ISO 6892-2
219	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Vickers Hardness (HV5)	IS 1501 (Part I)
220	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress at Elevated temperature	ASTM E21
221	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material	Yield Stress/ Yield Stress (1%)	BS EN ISO 6892-1
222	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous material, alloy & product)	Yield Stress Yield Stress (0.2%)	ASTM E8/E8M

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 13 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous material, alloy & products)	Rockwell Hardness (HRC)	ASTM E 18
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Bend Test	ASTM E290
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Bend Test	IS 1599
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Bent Test	ASTM E190
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Brinell Hardness (10mm Dia. Ball X 3000Kgf)	ASTM E10
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Brinell Hardness (10mm Dia. Ball X 3000Kgf)	IS 1500 (Part 1)
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Charpy V-Notch Impact Test (35 °C to -196 °C)	ASTM E23
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Elongation	ASTM E8/E8M
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Elongation	BS EN ISO 6892-1
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Elongation	IS 1608 (Part 1)
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Elongation at Elevated Temperature	ISO 6892-2
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Elongation at Elevated Temprature	ASTM E21
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Erichsen Cupping Test	IS 10175
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Erichsen Cupping Test	ISO 8490

SCOPE OF ACCREDITATION

Laboratory Name :	TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-7986
Page No	14 of 25
Validity	10/10/2022 to 09/10/2024
Last Amended on	-

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Micro Vickers Hardness (HV 0.5)	ASTM E 384
238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Micro Vickers Hardness (HV 0.5)	IS 1501 (Part 1)
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Reduction Of Area	ASME BPVC.II.A,B,C
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Reduction of Area	ASTM E8/E8M
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Reduction of Area	BS EN ISO 6892-1
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Reduction of Area	IS 1608 (Part 1)
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Rockwell Hardness (HRA)	ASTM E18
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Rockwell Hardness (HRA)	IS 1586 (Part 1)
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Rockwell Hardness (HRB)	IS 1586 (Part 1)
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Rockwell Hardness (HRC)	IS 1586 (Part 1)
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Ultimate Tensile Strength	ASTM E8/E8M
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Ultimate Tensile Strength	BS EN ISO 6892-1
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Ultimate Tensile Strength	IS 1608 (Part 1)
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material (Ferrous Material, alloys & Product)	Ultimate Tensile Strength At Elevated Temperature	ASTM E21

SCOPE OF ACCREDITATION

Laboratory Name :	TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7986	**Page No**	15 of 25
Validity	10/10/2022 to 09/10/2024	**Last Amended on**	-

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV30)	ASTM E92
252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	ASTM E190
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	ASTM E290
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Bend Test	IS 1599
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness (10mm Dia. x 3000 Kgf.)	ASTM E10
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Brinell Hardness (10mm Dia. Ball x 3000 kgf)	IS 1500 (Part 1)
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy V-Notch Impact Test (35 to -199 Deg. C)	ASTM E23
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy V-Notch Impact Test (35 to -199 Deg. C)	BS EN ISO 148-1
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation	ASTM E8/E8M
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation	BS EN ISO 6892-1
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Elongation	IS 1608 (Part 1)
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Erichsen Cupping Test	IS 10175
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Erichsen Cupping Test	ISO 8490
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Flaring / Drift Test (Tubes)	IS 2335

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 16 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Flattening Test (Tubes & Pipes)	IS 2328
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Micro Vickers Hardness (HV 0.5)	ASTM E384
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction of Area	ASTM E8/E8M
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction of Area	BS EN ISO 6892-1
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Reduction of Area	IS 1608 (Part 1)
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness (HRA)	IS1586 (Part I)
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness (HRB)	ASTM E18
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness (HRB)	IS 1586 (Part I)
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness (HRC)	ASTM E18
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Rockwell Hardness (HRC)	IS 1586 (Part I)
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	ASTM E8/E8M
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	BS EN ISO 6892-1
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Ultimate Tensile Strength	IS 1608 (Part 1)
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV10)	IS 1501 (Part I)

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 17 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV5)	ASTM E 92
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV10)	ASTM E92
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV10)	IS 1501 (Part I)
282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV30)	ASTM E92
283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV30)	IS 1501 (Part I)
284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV5)	ASTM E92
285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Vickers Hardness (HV5)	IS 1501 (Part I)
286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress / Yield Stress (0.2%)	ASTM E8/E8M
287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield stress / Yield stress(1%)	ASTM E8/E8M
288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress at Elevated temperature	ISO 6892-2
289	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield stress/ Yield stress (0.2%)	IS 1608 (Part 1)
290	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress/ Yield Stress (0.2%)	BS EN ISO 6892-1
291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress/ Yield Stress (0.2%)	BS EN ISO 6892-1
292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress/ Yield Stress (0.2%)	IS 1608 (Part I)

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 18 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress/ Yield Stress (1%)	ASTM E8/E8M
294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress/ Yield Stress (1%)	BS EN ISO 6892-1
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress/ Yield Stress (1%)	IS 1608 (Part 1)
296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Yield Stress/ Yield Stress (1%)	IS 1608 (Part 1)
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous metals, alloys & products)	Charpy V-Notch Impact Test (35 °C to -196 °C)	BS EN ISO-148-1
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous metals, alloys & products)	Charpy V-Notch Impact Test (35 °C to -196 °C)	IS 1757 (Part 1)
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials (Ferrous metals, alloys & products)	Rockwell Hardness (HRB)	ASTM E 18
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Products	Charpy V-Notch Impact Test (35 to -199 Deg. C)	IS 1757 (Part I)
301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Products	Rockwell Hardness (HRA)	ASTM E18
302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubes	Flaring / Drift Test (Tubes)	IS 2335
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Tubes	Flattening Test (Tubes & Pipes)	IS 2328
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Bars, Billets, Blooms and Forgings	Macro Etch Test	ASTM E381
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates	Through Thickness Tensile Test	ASTM A770
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Bend Test	ASTM A370

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 19 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Brinell Hardness (10mm Dia. Ball x 3000 Kgf)	ASTM A370
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Charpy V-Notch Impact Test (35 °C to -196 °C)	ASTM A370
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Elongation	ASTM A370
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Ferrite Content Test	ASTM A800
311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Ferrite Content Test (Ferritoscope)	ASTM A799
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Flaring Test/ Drift Test (Tubes)	ASTM A370
313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Flattening Test (Tubes & Pipes)	ASTM A370
314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Reduction of Area	ASTM A370
315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Ultimate Tensile Strength	ASTM A370
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Yield Strength (0.2%)	ASTM A370
317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Yield Strength (1%)	ASTM A370
318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products/ Metallic Material / Welding Electrodes	Yield stress/ Yield stress (0.2%)	ASME BPVC.II. A,B,C
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products/ Metallic Material/ Welding Electrode	Yield Strength / Yield Strength (1%)	ASME BPVC.II. A,B,C
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products/Metallic Material / Welding Electrode	Elongation	ASME BPVC.II. A,B,C

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 20 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products/Metallic Material/ Welding Electrode	Ultimate Tensile Strength	ASME BPVC.II. A,B,C
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Steel Fasteners	Elongation	IS 1367 (Part 3)
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Steel Fasteners	Proof Load	IS 1367 (Part 6)
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Steel Fasteners	Reduction of Area	IS 1367 (Part 3)
325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Steel Fasteners	Ultimate Tensile Strength	IS 1367 (Part 3)
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Steel Fasteners	Yield Stress / Yield Stress (0.2%)	IS 1367 (Part 3)
327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Threaded Steel Fatteners	Yield Stress / Yield Stress (0.1%)	IS 1367 (Part 3)
328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Bend Test (Root, Face & Side)	ASME SEC-IX
329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Bend Test (Root, Face & Side)	IS 2825
330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Bend Test(Root, Face & Side)	AWS D1.1/ D1.1M
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Charpy V- Notch Impact Test (35 to -196 Deg. C)	AWS D1.1/ D1.1.M
332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Charpy V- Notch Impact Test (35 to -199 Deg. C)	ASME BPVC.II. A,B,C
333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Charpy V- Notch Impact Test (35 to -199 Deg. C)	ASME SEC-IX
334	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Charpy V- Notch Impact Test (35 to -199 Deg. C)	IS 2825

SCOPE OF ACCREDITATION

Laboratory Name :	TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7986	**Page No**	21 of 25
Validity	10/10/2022 to 09/10/2024	**Last Amended on**	-

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
335	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Elongation	IS 2825
336	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Fracture Test	ASME SEC-IX
337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Fracture Test	AWS D1.1/ D1.1M
338	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Macro Etch Test	ASME SEC-IX
339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Macro Etch Test	AWS D1.1/ D1.1M
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Macro Etch Test	IS 2825
341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld In Metal	Nick Break	IS 2825
342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Reduction of Area	IS 2825
343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Ultimate Tensile Strength	ASME -IX
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld In Metal	Ultimate Tensile Strength	ASME SEC-IX
345	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Ultimate Tensile Strength	AWS D1.1/D1.1M
346	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Ultimate Tensile Strength	IS 2825
347	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Vickers Hardness (HV10)	ASME SEC-IX
348	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Vickers Hardness (HV10)	AWS D1.1/ D1.1M

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 22 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
349	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Vickers Hardness (HV5)	AWS D1.1/ D1.1M
350	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Vickers Hardness HV5	ASME SEC-IX
351	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Yield Stress/ Yield Stress 0.2%	IS 2825
352	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal	Yield Stress/ Yield Stress 1%	IS 2825
353	MECHANICAL-METALLOGRAPHY TEST	Case Hardened Steel	Case Depth (Microscope Method)	IS 6416
354	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Microstructure of graphite in cast iron (Type, Size, Distribution)	ASTM A247
355	MECHANICAL-METALLOGRAPHY TEST	Cast Iron	Microstructure of graphite in cast iron (Type, Size, Distribution)	IS 7754
356	MECHANICAL-METALLOGRAPHY TEST	Coating in Metal	Thickness of Coating (Microscope Method)	ASTM B487-85
357	MECHANICAL-METALLOGRAPHY TEST	Graphite in Iron Casting	Nodularity	ASTM A 247
358	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Micro Structure Examination	ASM Vol-9
359	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Grain Size (Comparison Method)	ASTM E112
360	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Grain Size (Comparison Method)	ASTM E112
361	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Micro Structure Examination	ASM Vol.-9
362	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Decarburization	ASTM E1077
363	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Decarburization	IS 6396
364	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Grain Size (comparison Method)	IS 4748
365	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Inclusion Rating	ASTM E45

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 23 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
366	MECHANICAL-METALLOGRAPHY TEST	Steel Products	Inclusion Rating (Non Metallic Inclusion Micrographic Method)	IS 4163
367	MECHANICAL-METALLOGRAPHY TEST	Weld in Metal	Macro Structure Examination	ISO 15614-1
368	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Material	Magnetic Particle Testing - Yoke, Visible & Fluorescent, wet and dry technique	ASME BPVC.V- Article 7 & 25 SE 709
369	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous alloys	Ultrasonic Testing - pulse echo contact testing technique	ASME SA435 ASME SA577 ASME SA578
370	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Metal and alloys	Liquid Penetrant Testing - Visible, & fluorescent solvent removable technique	ASTM E165-2018, ASME Sec V Article 6 & Art 24 SE 165
371	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Metal and Alloys	Ultrasonic Testing Detection of Internal Flaws	ASME BPVC.V-Article 4,5,23
372	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Metal and alloys (Casting)	Ultrasonic Testing	ASME Sec V Art 23 SA 609
373	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Metal and alloys (Forging)	Ultrasonic Testing - pulse echo contact testing , Back Wall technique	ASTM A388-2019 ASME Sec V Art 23 SA388
374	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Metal and alloys (Pipes & Tubing)	Ultrasonic Testing	ASME BPVC Sec .V Article 23 SE-213, SE-273
375	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Metal and alloys for Plates, Forgings, Weld, Pipe and Tubes	Ultrasonic Testing (Ultrasonic Thickness Measurement)	ASME BPVC Sec .V-Article 23 SE 797
376	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Metal and alloys, weld	Ultrasonic Testing	ASTM E 164-2019 ASME Sec V .V-Article 4
377	NON-DESTRUCTIVE-METALS & ALLOYS	Non-ferrous Metal and Alloys	Eddy Current Testing, crack detection	ASME BPVC.V Article 8 Appendix 6

SCOPE OF ACCREDITATION

Laboratory Name : TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7986 **Page No** 24 of 25

Validity 10/10/2022 to 09/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Site Facility				
1	CHEMICAL- METALS & ALLOYS	Copper & Copper Alloys	Copper (Cu)	ASTM E1476-04
2	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Chromium (Cr)	ASTM E1476-04
3	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Cobalt (Co)	ASTM E1476-04
4	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Copper (Cu)	ASTM E1476-04
5	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Iron (Fe)	ASTM E1476- 04
6	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Manganese (Mn)	ASTM E1476-04
7	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Molybdenum (Mo)	ASTM E1476-04
8	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Nickel (Ni)	ASTM E1476-04
9	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Niobium (Nb)	ASTM E1476-04
10	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Titanium (Ti)	ASTM E1476-04
11	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Tungsten (W)	ASTM E1476-04
12	CHEMICAL- METALS & ALLOYS	Ferrous & its Alloy	Vanadium (V)	ASTM E1476-04
13	CHEMICAL- METALS & ALLOYS	Metals & Products	Chromium (Cr)	ASTM E1476-04
14	CHEMICAL- METALS & ALLOYS	Metals & Products	Cobalt (Co)	ASTM E1476-04
15	CHEMICAL- METALS & ALLOYS	Metals & Products	Copper (Cu)	ASTM E1476-04
16	CHEMICAL- METALS & ALLOYS	Metals & Products	Iron (Fe)	ASTM E1476-04
17	CHEMICAL- METALS & ALLOYS	Metals & Products	Lead (Pb)	ASTM E1476-04
18	CHEMICAL- METALS & ALLOYS	Metals & Products	Manganese (Mn)	ASTM E1476-04

SCOPE OF ACCREDITATION

Laboratory Name :	TUV SUD SOUTH ASIA PVT. LTD., 344, HABIBPUR, MAIN DADRI ROAD, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7986	**Page No**	25 of 25
Validity	10/10/2022 to 09/10/2024	**Last Amended on**	-

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	CHEMICAL- METALS & ALLOYS	Metals & Products	Molybdenum (Mo)	ASTM E1476-04
20	CHEMICAL- METALS & ALLOYS	Metals & Products	Nickel (Ni)	ASTM E1476-04
21	CHEMICAL- METALS & ALLOYS	Metals & Products	Niobium (Nb)	ASTM E1476-04
22	CHEMICAL- METALS & ALLOYS	Metals & Products	Tin (Sn)	ASTM E1476-04
23	CHEMICAL- METALS & ALLOYS	Metals & Products	Titanium (Ti)	ASTM E1476-04
24	CHEMICAL- METALS & ALLOYS	Metals & Products	Tungsten (W)	ASTM E1476-04
25	CHEMICAL- METALS & ALLOYS	Metals & Products	Zinc (Zn)	ASTM E1476-04
26	CHEMICAL- METALS & ALLOYS	Nickel & Nickel Alloys	Nickel (Ni)	ASTM E1476-04
27	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Material	Magnetic Particle Testing - Yoke, Visible & Fluorescent, wet and dry technique	ASME BPVC.V- Article 7 & 25 SE 709
28	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous alloys	Ultrasonic Testing - pulse echo contact testing technique	ASME SA435 ASME SA577 ASME SA578
29	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Metal and alloys	Liquid Penetrant Testing - Visible, & fluorescent solvent removable technique	ASTM E165-2018, ASME Sec V Article 6 & Art 24 SE 165
30	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Metal and Alloys	Ultrasonic Testing Detection of Internal Flaws	ASME BPVC.V-Article 4,5,23
31	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Metal and alloys (Casting)	Ultrasonic Testing	ASME Sec V Art 23 SA 609
32	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Metal and alloys (Forging)	Ultrasonic Testing - pulse echo contact testing , Back Wall technique	ASTM A388-2019 ASME Sec V Art 23 SA388
33	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Metal and alloys (Pipes & Tubing)	Ultrasonic Testing	ASME BPVC Sec .V Article 23 SE-213, SE-273
34	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Metal and alloys for Plates, Forgings, Weld, Pipe and Tubes	Ultrasonic Testing (Ultrasonic Thickness Measurement)	ASME BPVC Sec .V-Article 23 SE 797
35	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Metal and alloys, weld	Ultrasonic Testing	ASTM E 164-2019 ASME Sec V .V-Article 4
36	NON-DESTRUCTIVE-METALS & ALLOYS	Non-ferrous Metal and Alloys	Eddy Current Testing, crack detection	ASME BPVC.V Article 8 Appendix 6