National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : STANDARD (MADRAS) LABORATORIES, NO.4 PL.NO.44-46 VGP RAJESH NAGAR, NARAYANAPURAM, PALLIKKARANAI, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11345 **Page No** 1 of 10

Validity 31/01/2023 to 30/01/2025 **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- METALS & ALLOYS	Aluminium & its alloy	Manganese	ASTM E 1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & its alloy	Nickel	ASTM E 1251
3	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Bismuth	ASTM E 1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Cobalt	ASTM E 1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Vanadium	ASTM E 1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	ASTM E 1251
14	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Chromium	IS 8811
15	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Copper	IS 8811
16	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Manganese	IS 8811
17	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Phosphorous	ASTM E 415
18	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Phosphorous	IS 8811

SCOPE OF ACCREDITATION

Laboratory Name : STANDARD (MADRAS) LABORATORIES, NO.4 PL.NO.44-46 VGP RAJESH NAGAR, NARAYANAPURAM, PALLIKKARANAI, CHENNAI, TAMIL NADU, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Silicon	ASTM E 415
20	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Sulphur	ASTM E 415
21	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Vanadium	ASTM E 415
22	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy steel	Aluminium	ASTM E 415
23	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Aluminium	IS 8811
24	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Arsenic	ASTM E 415
25	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Arsenic	IS 8811
26	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Carbon	ASTM E 415
27	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Carbon	IS 8811:
28	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Chromium	ASTM E 415
29	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Cobalt	ASTM E 415
30	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Cobalt	IS 8811
31	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Copper	ASTM E 415
32	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Manganese	ASTM E 415
33	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Molybdenum	ASTM E 415
34	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Molybdenum	IS 8811
35	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Nickel	ASTM E 415
36	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Nickel	IS 8811
37	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Phosphorus	IS 8811

SCOPE OF ACCREDITATION

Laboratory Name : STANDARD (MADRAS) LABORATORIES, NO.4 PL.NO.44-46 VGP RAJESH NAGAR, NARAYANAPURAM, PALLIKKARANAI, CHENNAI, TAMIL NADU, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
38	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Silicon	IS 8811
39	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Sulphur	IS 8811
40	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Vanadium	IS 8811
41	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	IS 15338
42	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1999
43	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	IS 15338
44	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E1999
45	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	IS 15338
46	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E1999
47	CHEMICAL- METALS & ALLOYS	Cast Iron	Magnesium	IS 15338
48	CHEMICAL- METALS & ALLOYS	Cast Iron	Magnesium	ASTM E1999
49	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E 1999
50	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	IS 15338
51	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	IS 15338
52	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E 1999
53	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	IS 15338
54	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E1999
55	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	ASTM E1999
56	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	IS 15338

SCOPE OF ACCREDITATION

Laboratory Name : STANDARD (MADRAS) LABORATORIES, NO.4 PL.NO.44-46 VGP RAJESH NAGAR, NARAYANAPURAM, PALLIKKARANAI, CHENNAI, TAMIL NADU, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
57	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999
58	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	IS 15338
59	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	IS 15338
60	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E1999
61	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	ASTM E1999
62	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium	IS 15338
63	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	IS 15338
64	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	ASTM E1999
65	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminium	BS EN 15079
66	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Arsenic	BS EN 15079
67	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	BS EN 15079
68	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	BS EN 15079
69	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese	BS EN 15079
70	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	BS EN 15079
71	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorus	BS EN 15079
72	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	BS EN 15079
73	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin	BS EN 15079
74	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	BS EN 15079
75	CHEMICAL- METALS & ALLOYS	Stainless Steel	Columbium	IS 9879

SCOPE OF ACCREDITATION

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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
76	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	IS 9879
77	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	JIS G 1253
78	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminium	ASTM E1086
79	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminium	IS 9879
80	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
81	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
82	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
83	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
84	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	ASTM E1086
85	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	IS 9879
86	CHEMICAL- METALS & ALLOYS	Stainless Steel	Columbium	ASTM E1086
87	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
88	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
89	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
90	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
91	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
92	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
93	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
94	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086

SCOPE OF ACCREDITATION

Laboratory Name : STANDARD (MADRAS) LABORATORIES, NO.4 PL.NO.44-46 VGP RAJESH NAGAR, NARAYANAPURAM, PALLIKKARANAI, CHENNAI, TAMIL NADU, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
95	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E1086
96	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879
97	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
98	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
99	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
100	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
101	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten	ASTM E1086
102	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten	IS 9879
103	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	IS 1599
104	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Drift Expansion Test	IS 2335
105	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elongation	ASTM A370
106	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elongation	ASTM E8/8M
107	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Flaring Test	IS 2328
108	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Flattening Test	IS 2328
109	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Guide Bend	ASTM E290
110	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Impact Charpy Test -U notch Room Temp 23 Deg C to Minus 160 Deg C	IS 1499

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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
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Impact Charpy Test -V notch Room Temp 23 Deg C to Minus 160 Deg C	IS 1757- Part 1
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Impact Izod Test	is 1598
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof Load Test	IS 15568
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rebend Test	IS 1786
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Reduction Area	ASTM A370
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Reduction Area	ASTM E8/8M
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test -HRA	ASTM E18
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test -HRA	IS 1586 (Part 1)
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test -HRB	ASTM E18
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test -HRB	IS 1586 (Part 1)
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test -HRC	ASTM E18
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test -HRC	IS 1586 (Part 1)
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile strength	ASTM A370
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile strength	ASTM E8/8M

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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
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test - % of Elongation	IS 1608 (Part 1)
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test - % Reduction Area	IS 1608 (Part 1)
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test - Tensile Strength	IS 1608 (Part 1)
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Test - Yield Strength	IS 1608 (Part 1)
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield strength	ASTM A370
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield strength	ASTM E8/8M
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Fracture Test	Fracture Test	ASME Sec IX
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Bend Test	IS 1599
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Guide Bend Test	IS 1599
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Proof Load Test	IS 15568
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Rebend Test	IS 1786
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Rockwell Hardess Test -HRA	IS 1586 (Part 1)
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Rockwell Hardess Test -HRB	IS 1586 (Part 1)
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Rockwell Hardess Test -HRC	IS 1586 (Part 1)

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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
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Tensile Test - Tensile Strength	IS 1608 (Part 1)
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Tensile Test -% Reduction of Area	IS 1608 (Part 1)
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Rockwell Hardess Test -HRB	ASTM E18
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Rockwell Hardess Test -HRC	ASTM E18
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Tensile Test - Yield Strength	ASTM E8/8M
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Tensile Test -% Reduction of Area	ASTM E8/8M
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Tensile Test - % of Elongation	ASTM E8/8M
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Drift Expansion Test	IS 2335
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Flaring Test	IS 2328
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Flattening Test	IS 2328
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Impact Charpy Test -U notch Room Temp 23 Deg C to Minus 160 Deg C	IS1499
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Impact Charpy Test -V notch Room Temp 23 Deg C to Minus 160 Deg C	IS 1757- Part 1
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Impact Izod Test	IS 1598
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Rockwell Hardess Test -HRA	ASTM E18

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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
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Tensile Test - % of Elongation	ASTM A370
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Tensile Test - % of Elongation	IS 1608 (Part 1)
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Tensile Test - Tensile Strength	ASTM A370
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Tensile Test - Tensile Strength	ASTM E8/8M
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Tensile Test - Yield Strength	ASTM A370
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Tensile Test - Yield Strength	IS 1608 (Part 1)
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Others Non-Ferrous materials, alloys & products	Tensile Test -% Reduction of Area	ASTM A370
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Specimen	Face Bend	ASME SEC IX
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Specimen	Root Bend	ASME SEC IX
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Specimen	Side Bend	ASME SEC IX
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Specimen Tensile Test	Tensile Test - Tensile Strength	ASME SEC IX