



## Scope of Accreditation for Testing

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**CAB Name** : Elmech Labs Pvt. Ltd.

**Address** : Suite No.-B05, A-37, Sector-63, Noida 201301, U. P.

**Certificate No:** T-0002

**Issue date** : 17.11.2024

**Validity** : 16.11.2028

**Amendment date** : N/A

### Chemical Testing

Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techni ques used	Facility
1.	Low alloy Steel (Low, Medium & High Carbon Steel)	C (%)	0.0070 to 1.3110	ASTM E415- 2021	Permanent Facility
		Si (%)	0.0039 to 0.9470	ASTM E415- 2021	
		P (%)	0.0045 to 0.1210	ASTM E415- 2021	
		S (%)	0.0049 to 0.0580	ASTM E415- 2021	
		Cu (%)	0.0089 to 0.3020	ASTM E415- 2021	
		Mn (%)	0.1623 to 1.5460	ASTM E415- 2021	
		Ni (%)	0.0161 to 0.8080	ASTM E415- 2021	
		Cr (%)	0.0055 to 1.2480	ASTM E415- 2021	
		Mo (%)	0.0005 to 0.1400	ASTM E415- 2021	
		Al (%)	0.0151 to 0.3300	ASTM E415- 2021	
		Co (%)	0.0053 to 0.0415	ASTM E415- 2021	

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### Chemical Testing

Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techni ques used	Facility
		V (%)	0.0002 to 0.4110	ASTM E415-2021	
		Sn (%)	0.0006 to 0.0067	ASTM E415-2021	
		Ti (%)	0.0004 to 0.0390	ASTM E415-2021	
		Nb (%)	0.0040 to 0.0487	ASTM E415-2021	
2	Stainless Steel	C (%)	0.0103 to 0.279	ASTM E1086-2014	Permanent Facility
Si (%)	0.21 to 1.05	ASTM E1086-2014			
P (%)	0.0053 to 0.037	ASTM E1086-2014			
S (%)	0.0051 to 0.029	ASTM E1086-2014			
Cu (%)	0.0091 to 1.94	ASTM E1086-2014			
Mn (%)	0.596 to 1.71	ASTM E1086-2014			
Ni (%)	0.246 to 12.90	ASTM E1086-2014			

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### Chemical Testing

Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techni ques used	Facility
		Cr (%)	11.93 to 25.49	ASTM E1086-2014	
		Mo (%)	0.0138 to 3.49	ASTM E1086-2014	
3.	Cast Iron	C (%)	1.916 to 3.24	ASTM E1999 - 2023	Permanent Facility
		Si (%)	1.300 to 2.12	ASTM E1999 - 2023	
		P (%)	0.008 to 0.0453	ASTM E1999 - 2023	
		S (%)	0.006 to 0.0724	ASTM E1999 - 2023	
		Cu (%)	0.0117 to 0.396	ASTM E1999 - 2023	
		Mn (%)	0.317 to 1.798	ASTM E1999 - 2023	
		Ni (%)	0.025 to 0.205	ASTM E1999 - 2023	
		Cr (%)	0.0794 to 0.236	ASTM E1999 - 2023	
		Sn (%)	0.0062 to 0.009	ASTM E1999 - 2023	

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### Chemical Testing

Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techni ques used	Facility
		Ti (%)	0.0070 to 0.016	ASTM E1999 - 2023	
		V (%)	0.072 to 0.179	ASTM E1999 - 2023	
		Mo (%)	0.0342 to 0.453	ASTM E1999 - 2023	
4.	Tool Steel	C (%)	1.02 to 1.36	JIS G1253- 2002-AMD-1- 2023	Permanent Facility
		Si (%)	0.18 to 0.38	JIS G1253- 2002-AMD-1- 2023	
		P (%)	0.022 to 0.03	JIS G1253- 2002-AMD-1- 2023	
		S (%)	0.029 to 0.03	JIS G1253- 2002-AMD-1- 2023	
		Mn (%)	0.26 to 0.3	JIS G1253- 2002-AMD-1- 2023	
		Cr (%)	3.91 to 4.22	JIS G1253- 2002-AMD-1-	

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### Chemical Testing

Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techni ques used	Facility
				2023	
		Mo (%)	3.54 to 9.41	JIS G1253- 2002-AMD-1- 2023	
		Al (%)	0.005 to 0.006	JIS G1253- 2002-AMD-1- 2023	
		Co (%)	7.95 to 10.3	JIS G1253- 2002-AMD-1- 2023	
		V (%)	1.14 to 3.15	JIS G1253- 2002-AMD-1- 2023	
		W (%)	1.8 to 8.87	JIS G1253- 2002-AMD-1- 2023	
		Ni (%)	0.025 to 0.205	JIS G1253- 2002-AMD-1- 2023	
		Cu (%)	0.025 to 0.205	JIS G1253- 2002-AMD-1- 2023	

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### Mechanical Testing

Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techniques used	Facility
1	<b>Metal &amp; metal products</b>	Tensile Load	5kN to 1800kN	IS 1608 (Part 1): 2022	Permanent Facility
2		Tensile Load	5kN to 1800kN	ISO 6892-(Part 1): 2019	Permanent Facility
3		Tensile Load	5kN to 1800kN	ASTM E8/E8M: 2024	Permanent Facility
4	<b>Steel and Steel Products</b>	Tensile Load	5kN to 1800kN	ASTM A370: 2024	Permanent Facility
5.	<b>Metal &amp; metal products</b>	Tensile Load	5kN to 1800kN	AS 1391: 2020	Permanent Facility
6.	<b>Welded Products (Metal &amp; metal products)</b>	Tensile Load	5kN to 1000kN	ASME SEC IX: 2023, QW-150.	Permanent Facility
7.		Tensile Load	5kN to 1800kN	ISO 15614-1: 2017 + A1:2019	Permanent Facility
8.	<b>Metal &amp; metal products</b>	Tensile Strength	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	IS 1608 (Part 1): 2022	Permanent Facility
9.		Tensile Strength	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	ASTM E8/E8M: 2024	Permanent Facility
10.		Tensile Strength	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	<b>ISO 6892 (Part 1): 2019</b>	Permanent Facility
11.		Tensile strength	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	ASTM A370-2024	Permanent Facility

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### Mechanical Testing

Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techniques used	Facility
12.		Tensile strength	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	AS 1391: 2020	Permanent Facility
13.	<b>Welded Products (Metal &amp; metal products)</b>	Tensile strength	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	ASME SEC IX-2023, QW-150	Permanent Facility
14.		Tensile strength	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	ISO 15614-1: 2017 + A1: 2019	Permanent Facility
15.		Tensile strength	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	API 1104: 2021	Permanent Facility
16.		Tensile strength	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	IS 7307-1:1974 (RA- 1997)	Permanent Facility
17.		Tensile strength	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	AWS D1.1: 2020	Permanent Facility
18.	<b>Metal &amp; metal products</b>	Yield Stress	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	IS 1608 (Part 1): 2022	Permanent Facility
19.		Yield Stress	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	ASTM E8/ E8M-2024	Permanent Facility
20.		Yield Stress	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	ISO 6892 (Part 1): 2019	Permanent Facility
21.		Yield Stress	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	AS 1391: 2020	Permanent Facility
22.	<b>Steel and Steel Products</b>	Yield Stress	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	ASTM A370-2024	Permanent Facility
23.	<b>Metal &amp; metal products</b>	Yield Stress	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	IS 7307-1:1974 (RA- 1997)	Permanent Facility

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Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techniques used	Facility
24.		0.2% Proof Stress	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	IS 1608 (Part 1): 2022	Permanent Facility
25.		0.2% Proof Stress	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	ASTM E8/E8M: 2024	Permanent Facility
26.		0.2% Proof Stress	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	ISO 6892 (Part 1): 2019	Permanent Facility
27.	<b>Steel and Steel Products</b>	0.2% Proof Stress	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	ASTM A370-2024	Permanent Facility
28.	<b>Metal and Metal Products</b>	0.2% Proof Stress	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	AS 1391: 2020	Permanent Facility
29.	<b>Welded Products</b>	0.2% Proof Stress	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	IS 7307-1:1974	Permanent Facility
30.	<b>(Metal &amp; metal products)</b>	Elongation	1% to 80 %	IS 7307-1:1974 (RA- 1997)	Permanent Facility
31.		Elongation	1% to 80 %	IS 1608 (Part 1): 2022	Permanent Facility
32.	<b>Metal &amp; metal products</b>	Elongation	1% to 80 %	ISO 6892 (Part 1): 2019	Permanent Facility
33.		Elongation	1% to 80 %	ASTM E8-2021	Permanent Facility

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### Mechanical Testing

Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techniques used	Facility
34.	Steel and Steel Products	Elongation	1% to 80 %	ASTM A370-2024	Permanent Facility
35.	Metal & metal Products	Elongation	1% to 80 %	AS 1391: 2020	Permanent Facility
36.		Area Reduction	1% to 80 %	IS 1608 (Part 1): 2022	Permanent Facility
37.		Area Reduction	1% to 80 %	ISO 6892 (Part 1): 2019	Permanent Facility
38.		Area Reduction	1% to 80 %	ASTM E8-2021	Permanent Facility
39.	Steel and Steel Products	Area Reduction	1% to 80 %	ASTM A370-2024	Permanent Facility
40.	Metal & metal Products	Area Reduction	1% to 80 %	AS 1391: 2007 (RA2017)	Permanent Facility
41.		Shear strength	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	IS 5242: 1979	Permanent Facility
42.	Metal & metal products	Rockwell Hardness	20 HRA to 84 HRA	IS 1586-1:2018	Permanent Facility
43.		Rockwell Hardness	20 HRA to 84 HRA	ISO 6508-1: 2023	Permanent Facility
44.		Rockwell Hardness	29 HRBW to 97 HRB	IS 1586-1:2018	Permanent Facility
45.		Rockwell Hardness	29 HRBW to	ISO 6508-1: 2023	Permanent

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### Mechanical Testing

Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techniques used	Facility
			97 HRB		Facility
46.	<b>Steel and Steel Products</b>	Rockwell Hardness	29 HRBW to 97 HRB	ASTM A370-2024	Permanent Facility
47.	<b>Metal &amp; Metal Products</b>	Rockwell Hardness	29 HRBW to 97 HRB	ASTM E18-2024	Permanent Facility
48.		Rockwell Hardness	22HRC to 61 HRC	IS 1586-1:2018	Permanent Facility
49.		Rockwell Hardness	22HRC to 61 HRC	ISO 6508-1: 2023	Permanent Facility
50.	<b>Steel and Steel Products</b>	Rockwell Hardness	22HRC to 61 HRC	ASTM A370-2024	Permanent Facility
51.	<b>Metal &amp; metal products</b>	Rockwell Hardness	22HRC to 61 HRC	ASTM E18-2024	Permanent Facility
52.		Brinell Hardness Test	124 HBW to 641 HBW	IS 1500-1:2019	Permanent Facility
53.		Brinell Hardness Test	124 HBW to 641 HBW	ISO 6506-1: 2014	Permanent Facility
54.	<b>Steel and Steel Products</b>	Brinell Hardness Test	124 HBW to 641 HBW	ASTM A370-2024	Permanent Facility
55.	<b>Metal &amp; metal</b>	Brinell Hardness	124 HBW to 641 HBW	ASTM E10-2023	Permanent

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Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techniques used	Facility
	<b>products</b>	Test			Facility
56.		Micro Vickers Hardness	153 HV to 1100 HV	IS 1501-1:2020	Permanent Facility
57.		Micro Vickers Hardness	153 HV to 1100 HV	ISO 6507-1: 2023	Permanent Facility
58.	<b>Steel and Steel Products</b>	Micro Vickers Hardness	153 HV to 1100 HV	ASTM A370-2024	Permanent Facility
59.		Micro Vickers Hardness	153 HV to 1100 HV	ASTM E384-2022	Permanent Facility
60.	<b>Welded Products (Metal &amp; metal products)</b>	Vickers Hardness	153 HV to 1100 HV	IS 7307-1:1974	Permanent Facility
61.		Nick Break Test	Qualitative	API 1104: 2021	Permanent Facility
62.		Izod Impact Test	2 J to 168 J	IS 1598:1977	Permanent Facility
63.	<b>Metal &amp; metal products</b>	Izod Impact Test	2 J to 168 J	ASTM E23-2024	Permanent Facility
64.		Charpy Impact Test (Ambient to –	2 J to 300 J	IS 1757-1:2020	Permanent Facility

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### Mechanical Testing

Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techniques used	Facility
		46 and 196°C)			
65.		Charpy Impact Test (Ambient to – 46 and 196°C)	1 J to 300 J	ISO 148-1:2016	Permanent Facility
66.		Charpy Impact Test (Ambient to – 46 and 196°C)	1 J to 300 J	ASTM E23-2024	Permanent Facility
67.	<b>Steel and Steel Products</b>	Charpy Impact Test (Ambient to - 46 and 196°C)	1 J to 300 J	ASTM A370-2024	Permanent Facility
68.		Lateral Expansion	0.01 mm to 10 mm	ASTM A370-2024	Permanent Facility
69.		Shear Fracture %	10 % to 100 %	ASTM A370-2024	Permanent Facility
70.	<b>Pipe and Tube (Metal &amp; metal products)</b>	Flattening Test of Pipe	Qualitative	IS 2328: 2005	Permanent Facility
71.	<b>Steel pipe</b>	Flattening Test of Pipe	Qualitative	ASTM A370-2024	Permanent Facility
72.	<b>Pipe and Tube (Metal &amp; metal products)</b>	Drift Expansion Test Pipe	Qualitative	IS 2335: 2005	Permanent Facility

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Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techniques used	Facility
73.	Steel pipe	Flaring Test of Pipe	Qualitative	ASTM A370-2024	Permanent Facility
74.	Metal & metal products	Bend Test of Pipe	Mandrel Diameter 12	ISO 7438-2020	Permanent Facility
75.		Bend Test	mm, 16 mm, 20	IS: 1599-2018	Permanent Facility
76.		Bend Test	mm, 24 mm, 30 mm,	ISO 7438: 2020	Permanent Facility
77.		Steel and Steel Products	Bend Test	40 mm, 45 mm, 50 mm, 60 mm, 70 mm, 80 mm, 90 mm, 100 mm, 110 mm, 120 mm, 150 mm, 175 mm	ASTM A370-2024
78.	TMT BAR (Metal & metal products)	Re-bend test		IS: 1786-2008	Permanent Facility
79.		Mass per meter (Kg)	0.092Kg	IS: 1786-2008	Permanent Facility
80.	Welded Products (Metal & metal	Root, Face, Side Bend	Mandrel Diameter 12 mm, 16 mm, 20	ASME SEC IX- 2023,QW 160.	Permanent Facility

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	products)		mm, 24 mm, 30 mm, 40 mm, 45 mm, 50 mm, 60 mm, 70 mm, 80 mm, 90 mm, 100 mm, 110 mm, 120 mm, 150 mm, 175 mm		
81.		Root, Face, Side Bend	Qualitative	API 1104: 2021	Permanent Facility
82.		Root, Face, Side Bend	Qualitative	AWS D1.1: 2020	Permanent Facility
83.		Root, Face, Side Bend	Qualitative	IS 7307-1:1974	Permanent Facility
84.		Root, Face, Side Bend	Qualitative	IS 7310-1:1974	Permanent Facility
85.		Root, Face, Side Bend	Qualitative	ISO 5173: 2023	Permanent Facility

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86.		Root, Face, Side Bend	Qualitative	ISO 15614-1:2017	Permanent Facility
87.		Root, Face, Side Bend	Qualitative	EN910-1996	Permanent Facility
88.	<b>Welded Products (Metal &amp; metal products)</b>	Fracture Test	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	ASME SEC IX-2023, QW 182.	Permanent Facility
89.		Fracture Test	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	IS 7307-1:1974	Permanent Facility
90.		Fracture Test	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	IS 7310-1:1974	Permanent Facility
91.		Fracture Test	50 N/mm <sup>2</sup> to 3000 N/mm <sup>2</sup>	AWS D1.1: 2020	Permanent Facility
92.	<b>Weld mock- up of tube sheet</b>	Tube to Tube sheet test pull out test	5kN to 1800kN	ASME SEC IX: 2023, QW 193.	Permanent Facility
93.	<b>Metal &amp; metal products</b>	Dimension, mm	1mm to 300 mm	ELPL/SOP-01/WI-19	Permanent Facility
94.		Weight, gm	0.001 gm to 300 gm	ELPL/SOP-01/WI-20	Permanent

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					Facility
95.	<b>Metal &amp; metal products</b>	Macro Examination	Qualitative	ASME SEC IX- 2023,QW 183, 184	Permanent Facility
96.		Macro Examination	Qualitative	IS 7307-1:1974	Permanent Facility
97.		Macro Examination	Qualitative	IS 7310-1:1974	Permanent Facility
98.		Macro Examination	Qualitative	ISO 15614-1:2017 + A1:2019	Permanent Facility
99.		Macro Examination	Qualitative	API 1104: 2021, Sec 8.2.5.4	Permanent Facility
100.		Macro Examination	Qualitative	AWS D1.1: 2020, Sec. 4.30.2.	Permanent Facility
101.		Macro Examination	Qualitative	ISO 17639: 2022	Permanent Facility
102.		Macro Examination	Qualitative	ASTM E381-2022	Permanent Facility
103.		Macro Examination	Qualitative	ASTM E340-2023	Permanent Facility

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**Address** : Suite No.-B05, A-37, Sector-63, Noida 201301, U. P.

**Certificate No:** T-0002

**Issue date** : 17.11.2023

**Validity** : 16.11.2028

**Amendment date** : NA

### Mechanical Testing

Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techniques used	Facility
104.		Microstructure Test	Qualitative 10X to 1000X	ASM Handbook Vol. 9- 2004	Permanent Facility
105.	<b>Cast Iron</b>	Microstructure Test	Qualitative 10X to 1000X	IS 7754-1975	Permanent Facility
106.	<b>Steel</b>	Inclusion Rating	Qualitative	ASTM E45-2018a	Permanent Facility
107.		Inclusion Rating	Qualitative	IS 4163-2021	Permanent Facility
108.		Grain Size	Qualitative	ASTM E112-2024	Permanent Facility
109.		Grain Size	Qualitative	IS 4748: 2009	Permanent Facility
110.	<b>Austenitic Stainless Steel Casting</b>	Ferrite Content	5 % to 95 %	IS 15839: 2021	Permanent Facility
111.		Ferrite Content	5 % to 95 %	ISO 13520: 2023	Permanent Facility
112.	<b>Metallic Material</b>	Volume fraction of different phases by Systematic Manual Point Count	5 % to 95 %	ASTM E562: 2019	Permanent Facility

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### Mechanical Testing

Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techniques used	Facility
113.	<b>Stainless Steel containing austenite and ferrite phases</b>	Ferrite Content, by chemical method.	5 % to 95 %	ASTM A800/A800M:- 2020	Permanent Facility
114.	<b>Steel</b>	Case Depth	5 µm to 500 µm	IS 6416: 1988	Permanent Facility
115.		Decarburization Depth	5 µm to 500 µm	IS 6396: 2000	Permanent Facility
116.	<b>Coatings / Plating on metals</b>	Coating Thickness by Microscopical Examination	5 µm to 500 µm	ASTM B487-2020	Permanent Facility
117.		Coating Thickness by Microscopical Examination	5 µm to 500 µm	IS 3203: 1982	Permanent Facility
118.		Coating Thickness by Microscopical Examination	5 µm to 500 µm	IS 5523: 1983	Permanent Facility
119.		DFT Thickness by Microscopical Examination	5 µm to 500 µm	IS 101 (P-3/Sec-2):1989	Permanent Facility
120.	<b>Wrought Nickel- Rich, Chromium-</b>	Intergranular Corrosion Test,	Qualitative	ASTM G28: 2022	Permanent Facility

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**Amendment date** : NA

### Mechanical Testing

Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techniques used	Facility
	<b>Bearing Alloys</b>	Method A			
121.		Intergranular Corrosion Test, Method B	Qualitative	ASTM G28: 2022	Permanent Facility
122.	<b>Stainless Steels and Related Alloys</b>	Pitting and Crevice Corrosion Resistance Test, Method A	Qualitative	ASTM G48: 2011	Permanent Facility
123.		Crevice Corrosion Resistance Test, Method B	Qualitative	ASTM G48: 2011 Method B	Permanent Facility
124.		Critical Pitting Temperature Test , Method Ct	Qualitative	ASTM G48: 2011	Permanent Facility
125.	<b>Duplex Stainless Steel</b>	Classification of Etched Structure, Method A	Qualitative	ASTM A923: 2023	Permanent Facility
126.		Charpy Impact Test for Classification of	Qualitative	ASTM A923: 2023	Permanent Facility

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### Mechanical Testing

Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techniques used	Facility
		Structure, Method B			
127.		Ferric Chloride Corrosion Test, Method C	Qualitative	ASTM A923: 2023	Permanent Facility
128.	<b>Austenitic Stainless Steel</b>	Classification of Etched Structure, Practice A	Qualitative	ASTM A262: 2015	Permanent Facility
129.		Susceptibility to Intergranular, Attack, Practice B	Qualitative	ASTM A262: 2015	Permanent Facility
130.		Susceptibility to Intergranular Attack, Practice C	Qualitative	ASTM A262: 2015	Permanent Facility
131.		Susceptibility to Intergranular Attack, Practice E	Qualitative	ASTM A262: 2015	Permanent Facility
132.		Resistance to Intergranular Corrosion	Qualitative	IS 10461-1: 1994	Permanent Facility
133.		Resistance to Intergranular	Qualitative	IS 10461-2: 1994	Permanent

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**Amendment date** : NA

### Mechanical Testing

Sr. No.	Parameter/ Materials / Products tested	Type of Test/Properties measured	Range of measurement	Standard specifications / Equipment/Techniques used	Facility
		Corrosion			Facility
134.	<b>Filler Wire for MIG/MAG Welding</b>	Accelerated Storage Stability Test	Qualitative	IRS M46: 2020	Permanent Facility
135.	<b>Wire and Flux for Submerged Arc Welding</b>	Accelerated Storage Stability Test	Qualitative	IRS M39: 2020	Permanent Facility

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