National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CENTRAL LABORATORY, MAHARASHTRA SEAMLESS LIMITED, PIPE NAGAR, NH-17, B.K.G. ROAD, RAIGAD, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 23/06/2022 to 22/06/2024 **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- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Aluminum	ASTM E415
2	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Aluminum	IS 8811
3	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Carbon	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Carbon	IS 8811
5	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Chromium	ASTM E415
6	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Chromium	IS 8811
7	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Copper	ASTM E415
8	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Copper	IS 8811
9	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Manganese	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Manganese	IS 8811
11	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Molybdenum	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Molybdenum	IS 8811
13	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Nickel	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Nickel	IS 8811
15	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Phosphorus	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Phosphorus	IS 8811
17	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Silicon	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Silicon	IS 8811

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19	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Sulphur	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Sulphur	IS 8811
21	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Vanadium	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Carbon Steel (Low Carbon, Medium Carbon & High Carbon Steel)	Vanadium	IS 8811
23	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminum	ASTM E415
24	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Arsenic	ASTM E415
25	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Boron	ASTM E415
26	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Calcium	ASTM E415
27	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	ASTM E415
28	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Cobalt	ASTM E415
30	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	ASTM E415
31	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	ASTM E415
32	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	ASTM E415
33	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	ASTM E415
34	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium	ASTM E415
35	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nitrogen	ASTM E415
36	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	ASTM E415
37	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	ASTM E415

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38	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	ASTM E415
39	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tin	ASTM E415
40	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium	ASTM E415
41	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	ASTM E415
42	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe)	DWTT	API RP 5L 3
43	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe)	Field Weldability Test	API 1104
44	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe/ Tube/ Plate)	% Elongation at Break	ASTM A370
45	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe/ Tube/ Plate)	% Elongation at Break	ASTM E8
46	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe/ Tube/ Plate)	% Elongation at Break	IS 1608 (Part 1)
47	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe/ Tube/ Plate)	% Reduction of Area	ASTM E8
48	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe/ Tube/ Plate)	% Reduction of Area	IS 1608 (Part 1)
49	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe/ Tube/ Plate)	Charpy Impact Test (25 ºC to -70 ºC)	ASTM E23
50	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe/ Tube/ Plate)	Reduction of Area	ASTM A370
51	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe/ Tube/ Plate)	Ultimate Tensile Strength	ASTM A370
52	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe/ Tube/ Plate)	Ultimate Tensile Strength	ASTM E8

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53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe/ Tube/ Plate)	Ultimate Tensile Strength	DIN EN ISO 6892-1
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe/ Tube/ Plate)	Ultimate Tensile Strength	IS 1608 (Part 1)
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe/ Tube/ Plate)	Yield Strength	ASTM A370
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe/ Tube/ Plate)	Yield Strength	ASTM E8
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe/ Tube/ Plate)	Yield Strength	DIN EN ISO 6892 - 1
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Pipe/ Tube/ Plate)	Yield Strength	IS 1608 (Part 1)
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tube/ Pipe/ Plate)	Charpy Impact Test (25 ºC to -70 ºC)	ASTM A370
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tube/ Pipe/ Plate)	Charpy Impact Test (25 ºC to -70 ºC)	DIN EN ISO 148-1
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tube/ Pipe/ Plate)	Charpy Impact Test (25 ºC to -70 ºC)	IS 1757 (Part 1)
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tube/ Pipe/ Plate)	Rockwell Hardness - B Scale	ASTM A370
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tube/ Pipe/ Plate)	Rockwell Hardness - B Scale	ASTM E18
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tube/ Pipe/ Plate)	Rockwell Hardness - B Scale	DIN EN ISO 6508-1
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tube/ Pipe/ Plate)	Rockwell Hardness - B Scale	IS 1586 (Part 1)
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tube/ Pipe/ Plate)	Rockwell Hardness - C Scale	ASTM A370

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67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tube/ Pipe/ Plate)	Rockwell Hardness - C Scale	ASTM E18
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tube/ Pipe/ Plate)	Rockwell Hardness - C Scale	DIN EN ISO 6508-1
69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tube/ Pipe/ Plate)	Rockwell Hardness - C Scale	IS 1586 (Part 1)
70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tube/ Pipe/ Plate)	Vicker's Hardness Test (HV10)	ASTM E92
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tube/ Pipe/ Plate)	Vicker's Hardness Test (HV10)	DIN EN ISO 6507-1
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tube/ Pipe/ Plate)	Vicker's Hardness Test (HV10)	IS 1501 Part-1
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tubes)	Flaring Test or Drift Expanding Test	DIN EN ISO 8493
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tubes)	Flaring Test or Drift Expanding Test	IS 2335
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tubes)	Flattening Test	IS 2328
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tubes)	Flattening Test	ISO BS EN 8492
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tubes)	Bend Test	IS 2329
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tubes)	Bend Test	ISO 8491
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tubes)	Flange Test	ASTM A370
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tubes)	Flaring Test or Drift Expanding Test	ASTM A370

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81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tubes/ Pipes)	Bend Test	ASTM E290
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tubes/ Pipes)	Flattening Test	ASTM A370
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products (Tubes/ Pipes/ Plate)	Bend Test	ASTM A370
84	MECHANICAL-METALLOGRAPHY TEST	Steel Products(Billet/Bar)	Macro Examination	ASTM E381
85	MECHANICAL-METALLOGRAPHY TEST	Steel Products(Tube/Pipe)	De-Carburization	ASTM E1077
86	MECHANICAL-METALLOGRAPHY TEST	Steel Products(Tube/Pipe/Plate)	Hydrogen Induced Cracking	ISO 15156 Part -2
87	MECHANICAL-METALLOGRAPHY TEST	Steel Products(Tube/Pipe/Plate)	Hydrogen Induced Cracking	NACE TM 0284
88	MECHANICAL-METALLOGRAPHY TEST	Steel Products(Tube/Pipe/Plate)	Sulfide stress corrosion	ISO 15156 Part - 2
89	MECHANICAL-METALLOGRAPHY TEST	Steel Products(Tube/Pipe/Plate)	Sulfide stress corrosion (Four Point Loading)	ASTM G39
90	MECHANICAL-METALLOGRAPHY TEST	Steel Products(Tube/Pipe/Plate)	Sulfide stress corrosion(Method A & Method B)	NACE TM 0177
91	MECHANICAL-METALLOGRAPHY TEST	Steel Products(Tube/Pipe/Sheet/Billet)	Grain Size	ASTM E112
92	MECHANICAL-METALLOGRAPHY TEST	Steel Products(Tube/Pipe/Sheet/Billet)	Inclusion Rating	ASTM E45