



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

CENTRAL LABORATORY & TECHNICAL SERVICES, JINDAL STAINLESS
LIMITED, KALINGA NAGAR INDUSTRIAL COMPLEX, P.O DANAGADI,
JAJPUR, ODISHA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-8340

Page No

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Validity

11/01/2025 to 10/01/2029

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 Testing				
1	CHEMICAL- METALS & ALLOYS	Ferro silicon	Carbon	ASTM E 1019
2	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Silicon	IS :1559 part 1
3	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Silicon content	ISO 4158
4	CHEMICAL- METALS & ALLOYS	Ferro Silicon	Sulphur	ASTM E 1019
5	CHEMICAL- METALS & ALLOYS	Ferro Titanium	Carbon	ASTM E 1019
6	CHEMICAL- METALS & ALLOYS	Ferro Titanium	Sulphur	ASTM E 1019
7	CHEMICAL- METALS & ALLOYS	Ferro Titanium	Titanium	IS 13840 Clause 10
8	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Carbon	ASTM E 1019
9	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Chromium	IS 13452 Clause 9
10	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Phosphorus	IS 13452 Clause 13
11	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Silicon	IS 13452 Clause 5
12	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Chrome	Sulphur	ASTM E 1019
13	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Managnese	Silicon	IS 1559
14	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Manganese	Carbon	ASTM E 1019
15	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Manganese	Manganese	IS 1559 Sec III Clause 20
16	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Manganese	Phosphorus	IS 1559 , Sec III Clause 23
17	CHEMICAL- METALS & ALLOYS	High Carbon Ferro Manganese	Sulphur	ASTM E 1019
18	CHEMICAL- METALS & ALLOYS	Stainless steel	Aluminium	JIS G 1253
19	CHEMICAL- METALS & ALLOYS	Stainless steel	Boron	JIS G 1253



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20	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E 1019
21	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E 1086
22	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	IS 9879
23	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	JIS G 1253
24	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	ASTM E 1086
25	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	IS 9879
26	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	JIS G1253
27	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	JIS G 1253
28	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E 1086
29	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	IS 9879
30	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	JIS G 1253
31	CHEMICAL- METALS & ALLOYS	Stainless Steel	Hydrogen	IS 228(P-22)
32	CHEMICAL- METALS & ALLOYS	Stainless steel	Lead	JIS G1253
33	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E 1086
34	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	IS 9879
35	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	JIS G 1253
36	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E 1086
37	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	IS 9879
38	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	JIS G 1253
39	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E 1086



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40	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	IS 9879
41	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	JIS G 1253
42	CHEMICAL- METALS & ALLOYS	Stainless steel	Niobium	JIS G 1253
43	CHEMICAL- METALS & ALLOYS	Stainless steel	Nitrogen	ASTM E 1019
44	CHEMICAL- METALS & ALLOYS	Stainless steel	Nitrogen	JIS G 1253
45	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus	ASTM E 1086
46	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus	IS 9879
47	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus	JIS G 1253
48	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E 1086
49	CHEMICAL- METALS & ALLOYS	Stainless steel	silicon	IS 9879
50	CHEMICAL- METALS & ALLOYS	Stainless steel	silicon	JIS G 1253
51	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	ASTM E 1019
52	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	ASTM E 1086
53	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	IS 9879
54	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	JIS G 1253
55	CHEMICAL- METALS & ALLOYS	Stainless steel	Tin	JIS G 1253
56	CHEMICAL- METALS & ALLOYS	Stainless steel	Titanium	JIS G 1253
57	CHEMICAL- METALS & ALLOYS	Stainless steel	Tungsten	JIS G 1253
58	CHEMICAL- METALS & ALLOYS	Stainless steel	Vanadium	JIS G 1253
59	CHEMICAL- ORES & MINERALS	Quartzite	Silicon Dioxide (SiO ₂)	IS 1917 (part 3)



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60	CHEMICAL- SOLID FUELS	Coal	Ash Content	IS 1350 (Part 1, Clause 8)
61	CHEMICAL- SOLID FUELS	Coal	Ash content	ISO 1171
62	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number	IS 1353(Part-1)
63	CHEMICAL- SOLID FUELS	Coal	Crucible Swelling Number	ISO 501
64	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	IS 1350 (Part 1)
65	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	IS 1350 (Part 2)
66	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	ISO 1928
67	CHEMICAL- SOLID FUELS	Coal	Moisture content	IS 1350 (Part -1, Cl-6.3.2, Method-2)
68	CHEMICAL- SOLID FUELS	Coal	Moisture in the analysis sample	ISO 5068-2
69	CHEMICAL- SOLID FUELS	Coal	Phosphorus	IS 1350 (Part 5, Clause 6.2) (Volumetric method)
70	CHEMICAL- SOLID FUELS	Coal	Phosphorus	ISO 622 Clause 8.1
71	CHEMICAL- SOLID FUELS	Coal	Sulphur	IS 1350 (Part 3)
72	CHEMICAL- SOLID FUELS	Coal	Sulphur	ISO 334
73	CHEMICAL- SOLID FUELS	Coal	Total Moisture	ISO 589
74	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	IS 1350 (Part 1)
75	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	ISO 562
76	CHEMICAL- SOLID FUELS	Coke	Ash Content	IS 1350 (Part 1)
77	CHEMICAL- SOLID FUELS	Coke	Fixed Carbon	IS 1350 (Part 1)
78	CHEMICAL- SOLID FUELS	Coke	Moisture in test sample	IS 1350 Part 1, Clause 6.5
79	CHEMICAL- SOLID FUELS	Coke	Volatile matter	IS 1350 (Part 1, Clause 7)
80	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Hot Rolled Steel Sheets & Strips	Sheet and Strip-Erichsen Cupping Test (for Thickness above 2 mm)	IS 6240
81	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Bend Test	JIS Z 2248
82	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Brinell Hardness	JIS Z 2243 -1
83	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Charpy Impact test "V" Notch	JIS Z 2242
84	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Tensile Strength	JIS Z 2241



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85	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Vickers Hardness	JIS Z 2244
86	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Vickers Hardness	JIS Z 2244
87	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Vickers Hardness	JIS Z 2244
88	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Yield Strength (0.2 % Proof)	ASTM E 8
89	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Bend Test	ASTM E 290
90	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Bend Test	IS 1599
91	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Brinell Hardness	ASTM E10
92	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Charpy Impact test "V" Notch	ISO 148-1
93	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Charpy Impact test "V" Notch	ASTM E 23
94	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elongation	ASTM E 8
95	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elongation	IS 1608 (Part 1)
96	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Elongation	JIS Z 2241
97	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Reduction in Area%	ASTM E 8
98	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metallic materials	Reduction in Area%	IS 1608 Part 1



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99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Reduction in Area%	JIS Z 2241
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Rockwell Hardness HRBW	ASTM E 18
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Rockwell Hardness HRBW	JIS Z 2245
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Rockwell Hardness HRC	ASTM E 18
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Tensile Strength	ASTM E 8
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Tensile Strength	IS 1608 (Part 1)
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Vickers Hardness	ASTM E 92
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Vickers Hardness	ASTM E 92
107	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Vickers Hardness	ASTM E 92
108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Vickers Hardness	ASTM E 92
109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Vickers Hardness	ASTM E 92
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Vickers Hardness	JIS Z 2244
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Vickers Hardness	JIS Z 2244
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Yield Strength (0.2 % Proof)	JIS Z 2241



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113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials	Yield Strength (0.2% Proof)	IS 1608 (Part 1)
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic materials: sheet and Strip	Sheet and Strip-Erichsen Cupping Test (for Thickness upto 2 mm)	IS 10175 (Part 1)
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Sheet metal	Plastic Strain Ratio R for Sheet Metal	ASTM E517
116	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC Practice A	ASTM A 262
117	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steel	IGC Practice C	ASTM A 262
118	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	IGC Practice E	ASTM A262
119	MECHANICAL-METALLOGRAPHY TEST	Metal & Alloys	Evaluation of General Microstructure	ASM Handbook Volume 9
120	MECHANICAL-METALLOGRAPHY TEST	Metallic materials	Average Grain Size by Comparison Method	ASTM E112
121	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Practice E	JIS G 0575
122	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	Delta Ferrite	ASTM E 562
123	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Practice A	JIS G 0571
124	MECHANICAL-METALLOGRAPHY TEST	Stainless Steel	IGC Practice C	JIS G 0573
125	MECHANICAL-METALLOGRAPHY TEST	Steel	Inclusion Rating	ASTM E 45, Method A