National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VICTOR TESTING & CONSULTING SERVICES, OFFICE NO: TA-603, 6TH FLOOR, CAPITAL HIGH STREET, BHIWADI, ALWAR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9853 **Page No** 1 of 7

Validity 15/09/2021 to 14/09/2023 **Last Amended on** 16/05/2023

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	Automotive parts, decorative items, Industrial products	Copper Accelerated Acetic Acid Salt Spray (CASS) test	ASTM B368
2	CHEMICAL- CORROSION TESTS	Automotive parts, decorative items, Industrial products	Neutral salt spray test	ASTM B117
3	CHEMICAL- METALS & ALLOYS	Low alloy steel	Chromium % (Using optical emission spectrometer)	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Aluminum & Aluminum Base Alloys	Calcium % (Using optical emission spectrometer)	ASTM E1251
5	CHEMICAL- METALS & ALLOYS	Aluminum & Aluminum Base Alloys	Chromium % (Using optical emission spectrometer)	ASTM E1251
6	CHEMICAL- METALS & ALLOYS	Aluminum & Aluminum Base Alloys	Copper % (Using optical emission spectrometer)	ASTM E1251
7	CHEMICAL- METALS & ALLOYS	Aluminum & Aluminum Base Alloys	Iron % (Using optical emission spectrometer)	ASTM E1251
8	CHEMICAL- METALS & ALLOYS	Aluminum & Aluminum Base Alloys	Lead % (Using optical emission spectrometer)	ASTM E1251
9	CHEMICAL- METALS & ALLOYS	Aluminum & Aluminum Base Alloys	Magnesium % (Using optical emission spectrometer)	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminum & Aluminum Base Alloys	Manganese % (Using optical emission spectrometer)	ASTM E1251
11	CHEMICAL- METALS & ALLOYS	Aluminum & Aluminum Base Alloys	Nickel % (Using optical emission spectrometer)	ASTM E1251
12	CHEMICAL- METALS & ALLOYS	Aluminum & Aluminum Base Alloys	Phosphorus % (Using optical emission spectrometer)	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Aluminum & Aluminum Base Alloys	Silicon % (Using optical emission spectrometer)	ASTM E1251
14	CHEMICAL- METALS & ALLOYS	Aluminum & Aluminum Base Alloys	Tin % (Using optical emission spectrometer)	ASTM E1251
15	CHEMICAL- METALS & ALLOYS	Aluminum & Aluminum Base Alloys	Titanium % (Using optical emission spectrometer)	ASTM E1251
16	CHEMICAL- METALS & ALLOYS	Aluminum & Aluminum Base Alloys	Vanadium % (Using optical emission spectrometer)	ASTM E1251
17	CHEMICAL- METALS & ALLOYS	Aluminum & Aluminum Base Alloys	Zinc % (Using optical emission spectrometer)	ASTM E1251
18	CHEMICAL- METALS & ALLOYS	Cast iron	Aluminum % (Using optical emission spectrometer)	ASTM E 1999

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19	CHEMICAL- METALS & ALLOYS	Cast Iron	Aluminum % (Using optical emission spectrometer)	JIS G 1253
20	CHEMICAL- METALS & ALLOYS	Cast iron	Carbon % (Using optical emission spectrometer)	ASTM E 1999
21	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon % (Using optical emission spectrometer)	JIS G 1253
22	CHEMICAL- METALS & ALLOYS	Cast iron	Chromium % (Using optical emission spectrometer)	ASTM E 1999
23	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium % (Using optical emission spectrometer)	JIS G 1253
24	CHEMICAL- METALS & ALLOYS	Cast iron	Copper % (Using optical emission spectrometer)	ASTM E 1999
25	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper % (Using optical emission spectrometer)	JIS G 1253
26	CHEMICAL- METALS & ALLOYS	Cast Iron	Magnesium % (Using optical emission spectrometer)	JIS G 1253
27	CHEMICAL- METALS & ALLOYS	Cast iron	Manganese % (Using optical emission spectrometer)	ASTM E 1999
28	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese % (Using optical emission spectrometer)	JIS G 1253
29	CHEMICAL- METALS & ALLOYS	Cast iron	Molybdenum % (Using optical emission spectrometer)	ASTM E 1999
30	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum % (Using optical emission spectrometer)	JIS G 1253
31	CHEMICAL- METALS & ALLOYS	Cast iron	Nickel % (Using optical emission spectrometer)	ASTM E 1999
32	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel % (Using optical emission spectrometer)	JIS G 1253
33	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus % (Using optical emission spectrometer)	JIS G 1253
34	CHEMICAL- METALS & ALLOYS	Cast iron	Phosphorus % (Using optical emission spectrometer)	ASTM E 1999
35	CHEMICAL- METALS & ALLOYS	Cast iron	Silicon % (Using optical emission spectrometer)	ASTM E 1999
36	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon % (Using optical emission spectrometer)	JIS G 1253
37	CHEMICAL- METALS & ALLOYS	Cast iron	Sulphur % (Using optical emission spectrometer)	ASTM E 1999

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38	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur % (Using optical emission spectrometer)	JIS G 1253
39	CHEMICAL- METALS & ALLOYS	Cast iron	Titanium % (Using optical emission spectrometer)	ASTM E 1999
40	CHEMICAL- METALS & ALLOYS	Cast Iron	Titanium % (Using optical emission spectrometer)	JIS G 1253
41	CHEMICAL- METALS & ALLOYS	Cast iron	Vanadium % (Using optical emission spectrometer)	ASTM E 1999
42	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium % (Using optical emission spectrometer)	JIS G 1253
43	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminum % (Using optical emission spectrometer)	ASTM E415
44	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Boron % (Using optical emission spectrometer)	ASTM E415
45	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon % (Using optical emission spectrometer)	ASTM E415
46	CHEMICAL- METALS & ALLOYS	Low alloy steel	Cobalt % (Using optical emission spectrometer)	ASTM E415
47	CHEMICAL- METALS & ALLOYS	Low alloy steel	Copper % (Using optical emission spectrometer)	ASTM E415
48	CHEMICAL- METALS & ALLOYS	Low alloy steels	Manganese % (Using optical emission spectrometer)	ASTM E415
49	CHEMICAL- METALS & ALLOYS	Low alloy steels	Molybdenum % (Using optical emission spectrometer)	ASTM E415
50	CHEMICAL- METALS & ALLOYS	Low alloy steels	Nickel % (using optical emission spectrometer)	ASTM E415
51	CHEMICAL- METALS & ALLOYS	Low alloy steels	Niobium % (using optical emission spectrometer)	ASTM E415
52	CHEMICAL- METALS & ALLOYS	Low alloy steels	Phosphorus % (Using optical emission spectrometer)	ASTM E415
53	CHEMICAL- METALS & ALLOYS	Low alloy steels	Silicon % (Using optical emission spectrometer)	ASTM E415
54	CHEMICAL- METALS & ALLOYS	Low alloy steels	Sulphur % (Using optical emission spectrometer)	ASTM E415
55	CHEMICAL- METALS & ALLOYS	Low alloy steels	Titanium % (Using optical emission spectrometer)	ASTM E415
56	CHEMICAL- METALS & ALLOYS	Low alloy steels	Vanadium % (Using optical emission spectrometer)	ASTM E415

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57	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon % (Using optical emission spectrometer)	JIS G 1253
58	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium % (Using optical emission spectrometer)	JIS G 1253
59	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt % (Using optical emission spectrometer)	JIS G 1253
60	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper % (Using optical emission spectrometer)	JIS G 1253
61	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese % (Using optical emission spectrometer)	JIS G 1253
62	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum % (Using optical emission spectrometer)	JIS G 1253
63	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel % (Using optical emission spectrometer)	JIS G 1253
64	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus % (Using optical emission spectrometer)	JIS G 1253
65	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon % (Using optical emission spectrometer)	JIS G 1253
66	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur % (Using optical emission spectrometer)	JIS G 1253
67	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium % (Using optical emission spectrometer)	JIS G 1253
68	CHEMICAL- METALS & ALLOYS	Stainless steel	Tungsten % (Using optical emission spectrometer)	JIS G 1253
69	CHEMICAL- METALS & ALLOYS	Stainless steel	Vanadium % (Using optical emission spectrometer)	JIS G 1253
70	CHEMICAL- METALS & ALLOYS	Stainless steels	Carbon % (Using optical emission spectrometer)	ASTM E1086
71	CHEMICAL- METALS & ALLOYS	Stainless steels	Chromium % (Using optical emission spectrometer)	ASTM E 1086
72	CHEMICAL- METALS & ALLOYS	Stainless steels	Cobalt % (Using optical emission spectrometer)	ASTM E 1086
73	CHEMICAL- METALS & ALLOYS	Stainless steels	Copper % (Using optical emission spectrometer)	ASTM E 1086
74	CHEMICAL- METALS & ALLOYS	Stainless steels	Manganese % (Using optical emission spectrometer)	ASTM E1086
75	CHEMICAL- METALS & ALLOYS	Stainless steels	Molybdenum % (Using optical emission spectrometer)	ASTM E 1086

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76	CHEMICAL- METALS & ALLOYS	Stainless steels	Nickel % (Using optical emission spectrometer)	ASTM E 1086
77	CHEMICAL- METALS & ALLOYS	Stainless steels	Phosphorus % (Using optical emission spectrometer)	ASTM E 1086
78	CHEMICAL- METALS & ALLOYS	Stainless steels	Silicon % (Using optical emission spectrometer)	ASTM E 1086
79	CHEMICAL- METALS & ALLOYS	Stainless steels	Sulphur % (Using optical emission spectrometer)	ASTM E 1086
80	CHEMICAL- METALS & ALLOYS	Stainless steels	Titanium % (Using optical emission spectrometer)	ASTM E 1086
81	CHEMICAL- METALS & ALLOYS	Stainless steels	Tungsten % (Using optical emission spectrometer)	ASTM E 1086
82	CHEMICAL- METALS & ALLOYS	Stainless steels	Vanadium % (Using optical emission spectrometer)	ASTM E 1086
83	CHEMICAL- METALS & ALLOYS	Tool steels	Carbon % (Using optical emission spectrometer)	JIS G 1253
84	CHEMICAL- METALS & ALLOYS	Tool steels	Chromium % (Using optical emission spectrometer)	JIS G 1253
85	CHEMICAL- METALS & ALLOYS	Tool steels	Cobalt % (Using optical emission spectrometer)	JIS G 1253
86	CHEMICAL- METALS & ALLOYS	Tool steels	Copper % (Using optical emission spectrometer)	JIS G 1253
87	CHEMICAL- METALS & ALLOYS	Tool steels	Manganese % (Using optical emission spectrometer)	JIS G 1253
88	CHEMICAL- METALS & ALLOYS	Tool steels	Molybdenum % (Using optical emission spectrometer)	JIS G 1253
89	CHEMICAL- METALS & ALLOYS	Tool steels	Nickel % (Using optical emission spectrometer)	JIS G 1253
90	CHEMICAL- METALS & ALLOYS	Tool steels	Phosphorus % (Using optical emission spectrometer)	JIS G 1253
91	CHEMICAL- METALS & ALLOYS	Tool steels	Silicon % (using optical emission spectrometer)	JIS G 1253
92	CHEMICAL- METALS & ALLOYS	Tool steels	Sulphur % (Using optical emission spectrometer)	JIS G 1253
93	CHEMICAL- METALS & ALLOYS	Tool steels	Tungsten % (Using optical emission spectrometer)	JIS G 1253
94	CHEMICAL- METALS & ALLOYS	Tool steels	Vanadium % (Using optical emission spectrometer)	JIS G 1253

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95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals & alloys	% Elongation	IS 1608-1
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals & alloys	Yield Strength	ISO 6892-1
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	ferrous metals and alloys	% Elongation	ISO 6892-1
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	ferrous metals and alloys	% Elongation	JIS Z 2241
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	ferrous metals and alloys	Bend Test	IS 1599
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	ferrous metals and alloys	Mass per meter	IS 1786
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	ferrous metals and alloys	Re-bend test	IS 1786
102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	ferrous metals and alloys	Rib area (TMT)	IS 1786
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	ferrous metals and alloys	Rockwell hardness 'A' Scale	IS 1586-1
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	ferrous metals and alloys	Rockwell hardness 'B' scale	IS 1586-1
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	ferrous metals and alloys	Rockwell hardness 'C' scale	IS 1586-1
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	ferrous metals and alloys	Tensile strength	IS 1608-1
107	MECHANICAL-MECHANICAL PROPERTIES OF METALS	ferrous metals and alloys	Tensile strength	ISO 6892-1
108	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals and alloys	Tensile strength	JIS Z 2241

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109	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals and alloys	Yield Strength	IS 1608-1
110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous metals and alloys	Yield strength	JIS Z 2241
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	non-ferrous metals and alloys	% Elongation	IS 1608-1
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	non-ferrous metals and alloys	Rockwell Hardness 'B' Scale	IS 1586-1
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-ferrous metals and alloys	Yield strength	IS 1608-1
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	non-ferrous metals, alloys & products	Tensile strength	IS 1608-1
115	MECHANICAL-METALLOGRAPHY TEST	ferrous metals and alloys	Determination of average grain size	ASTM E 112
116	MECHANICAL-METALLOGRAPHY TEST	ferrous metals and alloys	Determination of case depth of steel (Method -d)	IS 6416
117	MECHANICAL-METALLOGRAPHY TEST	ferrous metals and alloys	Determination of decarburization depth of steel	IS 6396
118	MECHANICAL-METALLOGRAPHY TEST	ferrous metals and alloys	Determination of inclusion content of steel	ASTM E 45
119	MECHANICAL-METALLOGRAPHY TEST	ferrous metals and allpys	Microstructure examination	ASM hand book vol-9
120	MECHANICAL-METALLOGRAPHY TEST	ferrous metals and aloys	Metallic coating (thickness of electroplated coatings)	IS 3203
121	MECHANICAL-METALLOGRAPHY TEST	non-ferrous metals and alloys	Microstructure examination	ASM hand book vol-9