National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SPARK TESTING SERVICES, B / G / SEI - 11 - 05, MIDC BHOSARI, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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
Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Boron (B)	IS : 8811
2	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Lead (Pb)	IS : 8811
3	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Niobium (Nb)	IS : 8811
4	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Phosphorous (P)	IS : 8811
5	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Silicon (Si)	IS : 8811
6	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Titanium (Ti)	IS : 8811
7	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Tungsten (W)	IS : 8811
8	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Vanadium (V)	IS : 8811
9	CHEMICAL- METALS & ALLOYS	Al - Base Alloys	Copper (Cu)	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Al - Base Alloys	Iron (Fe)	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Al - Base Alloys	Manganese (Mn)	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	Al - Base Alloys	Nickel (Ni)	ASTM E 1251
13	CHEMICAL- METALS & ALLOYS	Al - Base Alloys	Tin (Sn)	ASTM E 1251
14	CHEMICAL- METALS & ALLOYS	Al - Base Alloy	Magnesium (Mg)	ASTM E 1251
15	CHEMICAL- METALS & ALLOYS	Al - Base Alloys	Chromium (Cr)	ASTM E 1251
16	CHEMICAL- METALS & ALLOYS	Al - Base Alloys	Lead (Pb)	ASTM E 1251
17	CHEMICAL- METALS & ALLOYS	Al - Base Alloys	Silicon (Si)	ASTM E 1251
18	CHEMICAL- METALS & ALLOYS	Al - Base Alloys	Titanium (Ti)	ASTM E 1251

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19	CHEMICAL- METALS & ALLOYS	Al - Base Alloys	Zinc (Zn)	ASTM E 1251
20	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Aluminium (Al)	ASTM E 415
21	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Cobalt (Co)	ASTM E 415
22	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Cobalt (Co)	IS : 8811
23	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Copper (Cu)	ASTM E 415
24	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Copper (Cu)	IS : 8811
25	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Phosphorous (P)	ASTM E 415
26	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Titanium (Ti)	ASTM E 415
27	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Tungsten (W)	ASTM E 415
28	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Molybdenum (Mo)	ASTM E 415
29	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Molybdenum (Mo)	IS : 8811
30	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Niobium (Nb)	ASTM E 415
31	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Aluminium (Al)	IS : 8811
32	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Lead (Pb)	ASTM E 415
33	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Boron (B)	ASTM E 415
34	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Vanadium (V)	ASTM E 415
35	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Silicon (Si)	ASTM E 415
36	CHEMICAL- METALS & ALLOYS	Carbon & Low Carbon Steels	Sulphur (S)	ASTM E 415
37	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Carbon (C)	ASTM E 415

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38	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Carbon (C)	IS : 8811
39	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Chromium (Cr)	ASTM E 415
40	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Chromium (Cr)	IS : 8811
41	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Manganese (Mn)	IS : 8811
42	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Nickel (Ni)	IS : 8811
43	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steels	Sulphur (S)	IS : 8811
44	CHEMICAL- METALS & ALLOYS	Carbon & Low Carbon Steels	Manganese (Mn)	ASTM E 415
45	CHEMICAL- METALS & ALLOYS	Carbon & Low Carbon Steels	Nickel (Ni)	ASTM E 415
46	CHEMICAL- METALS & ALLOYS	Cast Irons	Aluminium (Al)	ASTM E 1999
47	CHEMICAL- METALS & ALLOYS	Cast Irons	Carbon (C)	ASTM E 1999
48	CHEMICAL- METALS & ALLOYS	Cast Irons	Chromium (Cr)	ASTM E 1999
49	CHEMICAL- METALS & ALLOYS	Cast Irons	Copper (Cu)	ASTM E 1999
50	CHEMICAL- METALS & ALLOYS	Cast Irons	Magnesium (Mg)	ASTM E 1999
51	CHEMICAL- METALS & ALLOYS	Cast Irons	Manganese (Mn)	ASTM E 1999
52	CHEMICAL- METALS & ALLOYS	Cast Irons	Manganese (Mn)	IS : 15338
53	CHEMICAL- METALS & ALLOYS	Cast Irons	Molybdenum (Mo)	ASTM E 1999
54	CHEMICAL- METALS & ALLOYS	Cast Irons	Molybdenum (Mo)	IS : 15338
55	CHEMICAL- METALS & ALLOYS	Cast Irons	Nickel (Ni)	IS : 15338
56	CHEMICAL- METALS & ALLOYS	Cast Irons	Phosphorous (P)	ASTM E 1999

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57	CHEMICAL- METALS & ALLOYS	Cast Irons	Phosphorous (P)	IS : 15338
58	CHEMICAL- METALS & ALLOYS	Cast Irons	Silicon (Si)	ASTM E 1999
59	CHEMICAL- METALS & ALLOYS	Cast Irons	Silicon (Si)	IS : 15338
60	CHEMICAL- METALS & ALLOYS	Cast Irons	Sulphur (S)	IS : 15338
61	CHEMICAL- METALS & ALLOYS	Cast Irons	Sulphur (S)	ASTM E 1999
62	CHEMICAL- METALS & ALLOYS	Cast Irons	Vanadium (V)	ASTM E 1999
63	CHEMICAL- METALS & ALLOYS	Cast Irons	Vanadium (V)	IS : 15338
64	CHEMICAL- METALS & ALLOYS	Cast Irons	Aluminium (Al)	IS : 15338
65	CHEMICAL- METALS & ALLOYS	Cast Irons	Carbon (C)	IS : 15338
66	CHEMICAL- METALS & ALLOYS	Cast Irons	Chromium (Cr)	IS : 15338
67	CHEMICAL- METALS & ALLOYS	Cast Irons	Copper (Cu)	IS : 15338
68	CHEMICAL- METALS & ALLOYS	Cast Irons	Magnesium (Mg)	IS : 15338
69	CHEMICAL- METALS & ALLOYS	Cast Irons	Nickel (Ni)	ASTM E 1999
70	CHEMICAL- METALS & ALLOYS	Cu - Base Alloys	Aluminium (Al)	BS EN : 15079
71	CHEMICAL- METALS & ALLOYS	Cu - Base Alloys	Antimony (Sb)	BS EN : 15079
72	CHEMICAL- METALS & ALLOYS	Cu - Base Alloys	Arsenic (As)	BS EN : 15079
73	CHEMICAL- METALS & ALLOYS	Cu - Base Alloys	Iron (Fe)	BS EN : 15079
74	CHEMICAL- METALS & ALLOYS	Cu - Base Alloys	Lead (Pb)	BS EN : 15079
75	CHEMICAL- METALS & ALLOYS	Cu - Base Alloys	Phosphorous (P)	BS EN : 15079

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76	CHEMICAL- METALS & ALLOYS	Cu - Base Alloys	Tin (Sn)	BS EN : 15079
77	CHEMICAL- METALS & ALLOYS	Cu - Base Alloys	Zink (Zn)	BS EN : 15079
78	CHEMICAL- METALS & ALLOYS	Cu - Base Alloys	Manganese (Mn)	BS EN : 15079
79	CHEMICAL- METALS & ALLOYS	Cu - Base Alloys	Nickel (Ni)	BS EN : 15079
80	CHEMICAL- METALS & ALLOYS	Stainless Steels	Carbon (C)	IS : 9879
81	CHEMICAL- METALS & ALLOYS	Stainless Steels	Carbon (C)	ASTM E 1086
82	CHEMICAL- METALS & ALLOYS	Stainless Steels	Chromium (Cr)	ASTM E 1086
83	CHEMICAL- METALS & ALLOYS	Stainless Steels	Chromium (Cr)	IS : 9879
84	CHEMICAL- METALS & ALLOYS	Stainless Steels	Copper (Cu)	IS : 9879
85	CHEMICAL- METALS & ALLOYS	Stainless Steels	Manganese (Mn)	ASTM E 1086
86	CHEMICAL- METALS & ALLOYS	Stainless Steels	Manganese (Mn)	IS : 9879
87	CHEMICAL- METALS & ALLOYS	Stainless Steels	Molybdenum (Mo)	ASTM E 1086
88	CHEMICAL- METALS & ALLOYS	Stainless Steels	Molybdenum (Mo)	IS : 9879
89	CHEMICAL- METALS & ALLOYS	Stainless Steels	Nickel (Ni)	IS : 9879
90	CHEMICAL- METALS & ALLOYS	Stainless Steels	Phosphorous (P)	ASTM E 1086
91	CHEMICAL- METALS & ALLOYS	Stainless Steels	Phosphorous (P)	IS : 9879
92	CHEMICAL- METALS & ALLOYS	Stainless Steels	Silicon (Si)	ASTM E 1086
93	CHEMICAL- METALS & ALLOYS	Stainless Steels	Silicon (Si)	IS : 9879
94	CHEMICAL- METALS & ALLOYS	Stainless Steels	Sulphur (S)	IS : 9879

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95	CHEMICAL- METALS & ALLOYS	Stainless Steels	Sulphur (S)	ASTM E 1086
96	CHEMICAL- METALS & ALLOYS	Stainless Steels	Titanium (Ti)	IS : 9879
97	CHEMICAL- METALS & ALLOYS	Stainless Steels	Copper (Cu)	ASTM E 1086
98	CHEMICAL- METALS & ALLOYS	Stainless Steels	Nickel (Ni)	ASTM E 1086
99	CHEMICAL- METALS & ALLOYS	Stainless Steels	Titanium (Ti)	ASTM E 1086
100	CHEMICAL- METALS & ALLOYS	Tool Steels	Carbon (C)	JIS G 1253
101	CHEMICAL- METALS & ALLOYS	Tool Steels	Chromium (Cr)	JIS G 1253
102	CHEMICAL- METALS & ALLOYS	Tool Steels	Cobalt (Co)	JIS G 1253
103	CHEMICAL- METALS & ALLOYS	Tool steels	Manganese (Mn)	JIS G 1253
104	CHEMICAL- METALS & ALLOYS	Tool Steels	Molybdenum (Mo)	JIS G 1253
105	CHEMICAL- METALS & ALLOYS	Tool Steels	Nickel (Ni)	JIS G 1253
106	CHEMICAL- METALS & ALLOYS	Tool Steels	Phosphorous (P)	JIS G 1253
107	CHEMICAL- METALS & ALLOYS	Tool Steels	Silicon (Si)	JIS G 1253
108	CHEMICAL- METALS & ALLOYS	Tool Steels	Sulphur (S)	JIS G 1253
109	CHEMICAL- METALS & ALLOYS	Tool steels	Tungusten (W)	JIS G 1253
110	CHEMICAL- METALS & ALLOYS	Tool Steels	Vanadium (V)	JIS G 1253
111	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials & Products	Charpy " V " Notch Impact Test in J at Ambient Temp.	BS EN ISO : 148 - 1
112	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non - Ferrous Materials & Products	Bend Test (Mandrel Diameter - 4, 6, 8, 10, 12, 16, 20, 24 in mm)	IS 1599

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113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non - Ferrous Materials & Products	Brinell Hardness (HBW) (10 mm Ball / 3000 Kgs. Load)	IS 1500 (Part - 1)
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non - Ferrous Materials & Products	Brinell Hardness (HBW) (5 mm Ball / 750 Kgs. Load)	IS 1500 (Part - 1)
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non - Ferrous Materials & Products	Micro - Vickers Hardness Test (At 0.3 Kgs. Load)	IS : 1501 (Part - 1)
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non - Ferrous Materials & Products	Micro - Vickers Hardness Test (At 0.5 Kgs. Load)	IS : 1501 (Part - 1)
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non - Ferrous Materials & Products	Micro - Vickers Hardness Test (At 1.00 Kgs. Load)	IS : 1501 (Part - 1)
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non - Ferrous Materials & Products	Rockwell Hardness (HRA)	IS : 1586 (Part - 1)
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non - Ferrous Materials & Products	Rockwell Hardness (HRBW)	IS : 1586 (Part - 1)
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non - Ferrous Materials & Products	Rockwell Hardness (HRC)	IS : 1586 (Part - 1)
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non - Ferrous Materials & Products	Tensile Test (Ultimate Tensile Strength in N/mm²)	IS : 1608 (Part 1)
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non - Ferrous Materials & Products	Tensile Test (% Reduction in area)	IS : 1608 (Part 1)
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non - Ferrous Materials & Products	Tensile Test (0.2 % Proof Stress in N/mm²)	IS : 1608 (Part 1)
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non - Ferrous Materials & Products	Tensile Test (% Elongation in %)	IS : 1608 (Part 1)
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non - Ferrous Materials & Products	Tensile Test (Yield Stress in N/mm²)	IS : 1608 (Part 1)
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials & Products	Charpy " V " Notch Impact Test in J at Ambient Temp.	IS : 1757 (Part - 1)

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127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials & Products	Izod Impact Test in J at Ambient Temp.	IS 1598
128	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials & Products	Average Grain Size by Microscopic Comparision Method	ASTM E 112
129	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials & Products	Determination of Non - Metallic Inclusions by Method " A "	IS : 4163
130	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non - Ferrous Materials & Products	Microstructural Analysis	ASM Handbook Vol. 09 , 9th Printing March
131	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials & Products	Average Grain Size by Microscopic Comparision Method	IS : 4748
132	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials & Products	Determination of Non - Metallic Inclusions by Method " A "	ASTM E 45
133	MECHANICAL-METALLOGRAPHY TEST	Ferrous Materials & Products	Total Case Depth Measurement by Microscopic Method in mm at 100x Magnification	IS 6416