National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : FLUID CONTROLS PRIVATE LIMITED (TESTING LABORATORY), GAT NO.378/1, TALEGAON-CHAKAN ROAD, KHARABWADI, TALUKA-KHED, 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- CORROSION TESTS	Coated Products / Panels / Raw Materials	Salt Spray (Corrosion) Testing Size Of Chamber:- Length-2 Ft/ Width-2 Ft/ Depth-1 Ft 10"	ASTM B 117
2	CHEMICAL- CORROSION TESTS	Plated Products / Panels / Raw Materials	Salt Spray (Corrosion) Testing Size Of Chamber:- Length-2 Ft/ Width-2 Ft/ Depth-1 Ft 10"	ASTM B 117
3	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Carbon	ASTM E 1086
4	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Carbon	IS 9879
5	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Chromium	ASTM E 1086
6	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Chromium	IS 9879
7	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Copper	ASTM E 1086
8	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Copper	IS 9879
9	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Manganese	ASTM E 1086
10	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Manganese	IS 9879
11	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Molybdenum	ASTM E 1086
12	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Molybdenum	IS 9879
13	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Nickel	ASTM E 1086
14	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Nickel	IS 9879
15	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Phosphorus	ASTM E 1086
16	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Phosphorus	IS 9879
17	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Silicon	ASTM E 1086

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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
18	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Silicon	IS 9879
19	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Sulphur	ASTM E 1086
20	CHEMICAL- METALS & ALLOYS	Austenitic Stainless Steel	Sulphur	IS 9879
21	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminium	BS EN 15079
22	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Antimony	BS EN 15079
23	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Arsenic	BS EN 15079
24	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Bismuth	BS EN 15079
25	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Cadmium	BS EN 15079
26	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Cobalt	BS EN 15079
27	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	BS EN 15079
28	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	BS EN 15079
29	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese	BS EN 15079
30	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	BS EN 15079
31	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorus	BS EN 15079
32	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	BS EN 15079
33	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin	BS EN 15079
34	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	BS EN 15079
35	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium	ASTM E 415
36	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium	IS 8811

SCOPE OF ACCREDITATION

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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
37	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	ASTM E 415
38	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	IS 8811
39	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	ASTM E 415
40	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	IS 8811
41	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Cobalt	ASTM E 415
42	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Cobalt	IS 8811
43	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	ASTM E 415
44	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	IS 8811
45	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	ASTM E 415
46	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	IS 8811
47	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	ASTM E 415
48	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	IS 8811
49	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	ASTM E 415
50	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	IS 8811
51	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium	ASTM E 415
52	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium	IS 8811
53	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	ASTM E 415
54	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	IS 8811
55	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	ASTM E 415

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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
56	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	IS 8811
57	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	ASTM E 415
58	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	IS 8811
59	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	ASTM E 415
60	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	IS 8811
61	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper Materials, Alloys & Products	Scale- Mico-Vickers Hardness (HV 0.050) Load:-0.050kgf	ASTM E 384
62	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper Materials, Alloys & Products	Scale- Mico-Vickers Hardness (HV 0.050) Load:-0.050kgf	IS 1501 (PART-1)
63	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper Materials, Alloys & Products	Scale- Rockwell Hardness (HRA) Load:-60kgf	ASTM E 18
64	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper Materials, Alloys & Products	Scale- Rockwell Hardness (HRA) Load:-60kgf	IS 1586 (PART-1)
65	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper Materials, Alloys & Products	Scale- Rockwell Hardness (HRA) Load:-60kgf	ISO 6508 (PART-1)
66	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper Materials, Alloys & Products	Scale- Rockwell Hardness (HRBW) Load:-100kgf (Ball Dia. 1.5875mm)	ASTM E 18
67	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper Materials, Alloys & Products	Scale- Rockwell Hardness (HRBW) Load:-100kgf (Ball Dia. 1.5875mm)	IS 1586 (PART-1)
68	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Copper Materials, Alloys & Products	Scale- Rockwell Hardness (HRBW) Load:-100kgf (Ball Dia. 1.5875mm)	ISO 6508 (PART-1)
69	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Scale- Micro-Vickers Hardness (HV 0.050) Load:-0.050kgf	ASTM E 384
70	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Scale- Micro-Vickers Hardness (HV 0.050) Load:-0.050kgf	IS 1501 (PART-1)

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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
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRA) Load:-60kgf	ASTM E 18
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRA) Load:-60kgf	IS 1586 (PART-1)
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRA) Load:-60kgf	ISO 6508 (PART-1)
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRBW) Load:-100kgf (Ball Dia. 1.5875mm)	ASTM E 18
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRBW) Load:-100kgf (Ball Dia. 1.5875mm)	IS 1586 (PART-1)
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRBW) Load:-100kgf (Ball Dia. 1.5875mm)	ISO 6508 (PART-1)
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRC) Load:-150kgf	ASTM E 18
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRC) Load:-150kgf	IS 1586 (PART-1)
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRC) Load:-150kgf	ISO 6508 (PART-1)
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Materials, Alloys & Products	Scale- Micro-Vickers Hardness (HV 0.050) Load:-0.050kgf	ASTM E 384
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Materials, Alloys & Products	Scale- Micro-Vickers Hardness (HV 0.050) Load:-0.050kgf	IS 1501 (PART-1)
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRA) Load:-60kgf	ASTM E 18
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRA) Load:-60kgf	IS 1586 (PART-1)
84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRA) Load:-60kgf	ISO 6508 (PART-1)

SCOPE OF ACCREDITATION

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85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRBW) Load:-100kgf (Ball Dia. 1.5875mm)	ASTM E 18
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRBW) Load:-100kgf (Ball Dia. 1.5875mm)	IS 1586 (PART-1)
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRBW) Load:-100kgf (Ball Dia. 1.5875mm)	ISO 6508 (PART-1)
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRC) Load:-150kgf	ASTM E 18
89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRC) Load:-150kgf	IS 1586 (PART-1)
90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non-Ferrous Materials, Alloys & Products	Scale- Rockwell Hardness (HRC) Load:-150kgf	ISO 6508 (PART-1)
91	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Pipes, hoses, valves & fittings	Flexure Testing of Hydraulic Tubing, Joints & Fittings (Standard Flexure Test)	ARP 1185, Clause no.4.0
92	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Pipes, hoses, valves & fittings	Flexure Testing of Hydraulic Tubing, Joints & Fittings (S-N Flexure Test)	ARP 1185, clause no 4.0
93	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Pipes, hoses, valves & fittings	Hydrostatic Burst Pressure	AS 2094,(Clause No. 4.5)
94	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Pipes, hoses, valves & fittings	Impulse Test	AS 2094, clause 4.3
95	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Pipes, hoses, valves & fittings	Impulse Testing of Hydraulic Hose, Tubing & Fitting Assemblies	AS 603, clause 4.0
96	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Pipes, hoses, valves & fittings	Joint Strength Test	AS18280 - 4.4.9
97	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Pipes, hoses, valves & fittings	Pneumatic Pressure	AS 2094,clause 4.2
98	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Pipes, hoses, valves & fittings	Proof Pressure Test	AS 2094, clause 4.1

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99	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Pipes, hoses, valves & fittings	Reuse capability (Clause No. 4.8)	AS 2094