National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : D&H SECHERON ELECTRODES PVT. LTD., 44-46, INDUSTRIAL ESTATE, INDORE, MADHYA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 11/03/2022 to 10/03/2024 **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- CORROSION TESTS	Austenitic Stainless steel	Oxalic acid etch test for classification of etch structure, Corrosion test Practice-A	ASTM A 262
2	CHEMICAL- CORROSION TESTS	Austenitic Stainless Steels	Resistance to Intergranular Corrosion Test Practice E	ASTM A262
3	CHEMICAL- CORROSION TESTS	Duplex Austenitic- Ferrite Stainless steel	Sodium Hydroxide Etch Test, Method A	ASTM A 923
4	CHEMICAL- CORROSION TESTS	Duplex Austenitic-Ferrite Stainless Steel	Ferric Chloride Test, Method C	ASTM A923
5	CHEMICAL- CORROSION TESTS	Stainless Steels & Related Alloys	Ferric Chloride Pitting Corrosion Test, Method A	ASTM G48
6	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Aluminum	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Aluminum	IS 8811
8	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Antimony	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Arsenic	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Arsenic	IS 8811
11	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Boron	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Boron	IS 8811
13	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Carbon	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Carbon	IS 8811
15	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Chromium	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Chromium	IS 8811
17	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Cobalt	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Cobalt	IS 8811

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19	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Copper	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Copper	IS 8811
21	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Manganese	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Manganese	IS 8811
23	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Molybdenum	ASTM E415
24	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Molybdenum	IS 8811
25	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Nickel	ASTM E415
26	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Nickel	IS 8811
27	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Niobium	ASTM E415
28	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Niobium	IS 8811
29	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Nitrogen	ASTM E415
30	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Phosphorus	ASTM E415
31	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Phosphorus	IS 8811
32	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Silicon	ASTM E415
33	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Silicon	IS 8811
34	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Sulphur	ASTM E415
35	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Sulphur	IS 8811
36	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Tin	ASTM E415
37	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Tin	IS 8811

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38	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Titanium	ASTM E415
39	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Titanium	IS 8811
40	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Vanadium	ASTM E415
41	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Vanadium	IS 8811
42	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Zirconium	ASTM E415
43	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Zirconium	IS 8811
44	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
45	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
46	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
47	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
48	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
49	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086
50	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
51	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
52	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
53	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
54	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
55	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
56	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879

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57	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086
58	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
59	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
60	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
61	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
62	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferritic steels	Drop Weight Test to determine nil-ductility transition transition temperature of ferritic steels	ASTM E208
63	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys	UTS (Ultimate tensile strength)	ASTM E8/E8M
64	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys pipe, plates	% RA (Reduction Area)	IS 1608 (Part-1)
65	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys pipe, plates	0.2% Proof Stress	ASTM E8/E8M
66	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys pipes	Bend Test	ASTM E 290
67	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys pipes	Bend Test	IS 1599
68	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys pipes, plates	% Elongation	ASTM E8/E8M
69	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys pipes, plates	% Elongation	IS 1608 (Part-1)
70	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys pipes, plates	0.2% Proof Stress	IS 1608 (Part-1)
71	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metals & Alloys pipes, plates	UTS (Ultimate tensile strength)	IS 1608 (Part-1)

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72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys pipes, plates	Yield Strength (Analog)	IS 1608 (Part-1)
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys pipes, plates, weld metals	Vickers Hardness Test (HV-30)	IS 1501 (Part-1)
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys plates	Bend Test	IS 1599
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys plates	Bend Test	ASTM E 290
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys plates, pipes, weld metals	Brinell Hardness Test (10/3000 kg)	IS 1500 (Part-1)
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys, pipe, plates, weld metals.	Rockwell Hardness Test (C - Scale)	ASTM E18
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys, pipes, plates, Weld metals	Rockwell Hardness Test (C-Scale)	IS 1586 (Part-1)
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys, pipes, plates, weld metals	Vickers Hardness Test (HV-30)	ASTM E92
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys, plates, pipes, weld metals	Brinell Hardess Test (10/3000 kg)	ASTM E10
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys, Weld metal, weld joints	Ultimate Tensile Strength	IS 3600 (Part 3)
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys, Weld metal, Weld joints	V Notch Charpy Impact Test, at +35 to -196 deg C	ASTM E23
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stainless steel	Ferrite measurement by Ferrite Scope (Digital)	ASTM A 800/A800M
84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products	% Elongation	ASTM A370
85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products	0.2% Proof Stress	ASTM A 370

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86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products	Rockwell Hardness Test (C - Scale)	ASTM A 370
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products	UTS (Ultimate Tensile Strength)	ASTM A 370
88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products	Vickers Hardness Test (HV-30)	ASTM 370
89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel products pipes, plates	Brinell Hardness Test (10/3000 Kg)	ASTM A 370
90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld Joint	Weld T joint fillet size measurements	ASME Sec II Part "C' SFA 5.1 Clause 15 & SFA 5.4 & 5.5
91	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded joints, weld metals	Bend Test	ASTM E 190
92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Joints, Weld metals	Bend Test	IS 3600 (Part 5)