National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SPECTRO ANALYTICAL LABS PRIVATE LIMITED, DIVISION LABORATORY, PH CIRCLE OFFICE-II, JICA OFFICE, MAHANADI VIHAR, CUTTACK, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 18/02/2022 to 30/03/2023 **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	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Treated Effluent Water, Treated Waste water	Coliform	IS 15185
2	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Treated Effluent Water, Treated Waste water	Coliform	IS 15185
3	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Treated Waste Waster, Treated Effluent Water	E. Coli	IS 15185
4	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Treated Waste Waster, Treated Effluent Water	E. Coli	IS 15185
5	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Treated Waste water, Treated Effluent water	Fecal Streptococci	IS15186
6	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Waster, Effluent Water	Coliform	IS 1622
7	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Waster, Effluent Water	E. Coli	IS 1622
8	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Waster, Effluent Water	Fecal Streptococci	IS 1622
9	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Water, Effluent Water	Fecal Coliform	IS 1622
10	BIOLOGICAL- WATER	Drinking Water	Coliform	IS 15185
11	BIOLOGICAL- WATER	Drinking Water	Coliform	IS: 1622
12	BIOLOGICAL- WATER	Drinking Water	E. Coli	IS 15185
13	BIOLOGICAL- WATER	Drinking Water	E. Coli	IS 15185
14	BIOLOGICAL- WATER	Drinking Water	E. Coli	IS 1622
15	BIOLOGICAL- WATER	Drinking Water	Fecal Streptococci	IS 15186
16	BIOLOGICAL- WATER	Drinking Water	Fecal Streptococci	IS 1622
17	BIOLOGICAL- WATER	Ground water, Surface Water	Coliform	IS: 1622
18	BIOLOGICAL- WATER	Ground water, Surface Water	E. Coli	IS 1622
19	BIOLOGICAL- WATER	Ground water, Surface Water	Fecal Streptococci	IS 1622

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20	BIOLOGICAL- WATER	Ground water, Surface Water (treated)	Coliform	IS 15185
21	BIOLOGICAL- WATER	Ground Water, Surface Water (treated)	E. Coli	IS 15185
22	BIOLOGICAL- WATER	Ground water, Surface Water (treated)	E. Coli	IS 15185
23	BIOLOGICAL- WATER	Ground water, Surface Water (treated)	Fecal Streptococci	IS 15186
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Waster, Effluent Water, Treated water	Chemical Oxygen Demand	IS 3025 (Part 58)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Waster, Effluent Water, Treated water	Dissolved Oxygen	IS 3025 (Part 38)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Waster, Effluent Water, Treated water	Oil & Grease	APHA (23rd Edition) 5520 (B)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Waster, Effluent Water, Treated water	pH Value	IS 3025 (Part 11)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Waster, Effluent Water, Treated water	Total Suspended Solids	IS 3025 (Part 17)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Waster, Effluent Water, Treated water	Biochemical Oxygen Demand	IS 3025 (Part 44)
30	CHEMICAL- WATER	Drinking Water	Fluoride (as F)	APHA (23rd Edition) 4500 F - (D)
31	CHEMICAL- WATER	Drinking Water	Potassium (as K)	IS 3025 (Part 45) (Cl.5 & 6)
32	CHEMICAL- WATER	Drinking Water	Residual Free Chlorine	IS 3025 (Part 26)
33	CHEMICAL- WATER	Drinking Water	Sulphate	IS 3025 (Part 24)
34	CHEMICAL- WATER	Drinking Water	Taste	IS 3025 Part 8
35	CHEMICAL- WATER	Drinking Water	Total Alkalinity (as CaCO3)	IS: 3025 (P-23)
36	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen	IS 3025 Part 34 (Cl. 2.3)
37	CHEMICAL- WATER	Drinking Water	Calcium (as Ca)	IS 3025 (Part 40)
38	CHEMICAL- WATER	Drinking Water	Chlorides (as Cl)	IS:3025 (P-32)
39	CHEMICAL- WATER	Drinking Water	Colour	APHA (23rd Edition) 2120 C
40	CHEMICAL- WATER	Drinking Water	Dissolve Oxygen	IS 3025 (P-38)
41	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	IS: 3025 (P-14)
42	CHEMICAL- WATER	Drinking Water	Iron (as Fe)	IS 3025 (Part 53)
43	CHEMICAL- WATER	Drinking Water	Magnesium (as Mg)	APHA (23rd Edition) 3500-Mg (B)
44	CHEMICAL- WATER	Drinking Water	Nitrate as NO3	APHA (23rd Edition) 4500 N - NO3- (B)

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45	CHEMICAL- WATER	Drinking Water	Nitrite (as N)	IS 3025 (Part 34)
46	CHEMICAL- WATER	Drinking Water	Odour	IS:3025 (P-5)
47	CHEMICAL- WATER	Drinking Water	pH	IS: 3025 (P-11)
48	CHEMICAL- WATER	Drinking Water	Silica	IS 3025 (Part 35)
49	CHEMICAL- WATER	Drinking Water	Sulphide (as H2S)	IS 3025 (Part 29) (Cl. 3)
50	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS: 3025 (P-16)
51	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	IS: 3025 (P-21)
52	CHEMICAL- WATER	Drinking Water	Total Phosphate	APHA (23rd Edition) 4500- P (C)
53	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	IS 3025 (Part 17)
54	CHEMICAL- WATER	Drinking Water	Turbidity	IS: 3025 (P-10)
55	CHEMICAL- WATER	Drinking Water/	Sodium (as Na)	IS 3025 (Part 45)
56	CHEMICAL- WATER	Ground water	Ammonical Nitrogen	IS 3025 (Part 34) (Cl. 2.3)
57	CHEMICAL- WATER	Ground water	Calcium (as Ca)	IS 3025 (Part 40)
58	CHEMICAL- WATER	Ground water	Chlorides (as Cl)	IS 3025 (Part 32)
59	CHEMICAL- WATER	Ground water	Colour	APHA(23rd Edition) 2120 C
60	CHEMICAL- WATER	Ground water	Dissolve Oxygen	IS 3025 (Part 38)
61	CHEMICAL- WATER	Ground water	Electrical Conductivity	IS 3025 (Part 14)
62	CHEMICAL- WATER	Ground water	Fluoride (as F)	APHA (23rd Edition) 4500 F - (D)
63	CHEMICAL- WATER	Ground water	Iron (as Fe)	IS 3025 (Part 53)
64	CHEMICAL- WATER	Ground water	Magnesium (as Mg)	APHA (23rd Edition) 3500-Mg (B)
65	CHEMICAL- WATER	Ground water	Nitrate as NO3	APHA (23rd Edition) 4500 N - NO3- (B)
66	CHEMICAL- WATER	Ground water	Nitrite (as N)	IS 3025 (Part 34)
67	CHEMICAL- WATER	Ground water	Odour	IS:3025 (P-5)
68	CHEMICAL- WATER	Ground water	pH Value	IS 3025 (P-11)
69	CHEMICAL- WATER	Ground water	Potassium (as K)	IS 3025 (Part 45) (Cl.5 & 6)
70	CHEMICAL- WATER	Ground water	Silica	IS 3025 (Part 35)
71	CHEMICAL- WATER	Ground water	Sodium (as Na)	IS 3025 (Part 45)
72	CHEMICAL- WATER	Ground water	Sulphate	IS 3025 (Part 24)
73	CHEMICAL- WATER	Ground water	Sulphide (as H2S)	IS 3025 (Part 29) (Cl. 3)

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74	CHEMICAL- WATER	Ground water	Taste	IS 3025 (Part 8)
75	CHEMICAL- WATER	Ground water	Total Alkalinity (as CaCO3)	IS 3025 (Part 23)
76	CHEMICAL- WATER	Ground water	Total Dissolved Solids	IS 3025 (Part 16)
77	CHEMICAL- WATER	Ground water	Total Hardness (as CaCO3)	IS 3025 (Part 21)
78	CHEMICAL- WATER	Ground water	Total Phosphate	APHA (23rd Edition) 4500- P (C)
79	CHEMICAL- WATER	Ground water	Total Suspended Solids	IS 3025 (Part 17)
80	CHEMICAL- WATER	Ground water	Turbidity	IS 3025 (Part 10)
81	CHEMICAL- WATER	Surface water	Fluoride (as F)	APHA (23rd Edition) 4500 F - (D)
82	CHEMICAL- WATER	Surface water	Ammonia (as Total Ammonia-N)	IS 3025 (Part 34) (Cl. 2.3)
83	CHEMICAL- WATER	Surface water	Calcium (as Ca)	IS 3025 (Part 40)
84	CHEMICAL- WATER	Surface water	Chlorides (as Cl)	IS 3025 (Part 32)
85	CHEMICAL- WATER	Surface water	Colour	APHA(23rd Edition) 2120 C
86	CHEMICAL- WATER	Surface water	Dissolve Oxygen	IS 3025 (Part 38)
87	CHEMICAL- WATER	Surface water	Electrical Conductivity	IS 3025 (Part 14)
88	CHEMICAL- WATER	Surface water	Iron (as Fe)	IS 3025 (Part 53)
89	CHEMICAL- WATER	Surface water	Magnesium (as Mg)	APHA (23rd Edition) 3500-Mg (B)
90	CHEMICAL- WATER	Surface water	Nitrate as NO3	APHA (23rd Edition) 4500 N - NO3-(B)
91	CHEMICAL- WATER	Surface water	Nitrite (as N)	IS 3025 (Part 34)
92	CHEMICAL- WATER	Surface water	Odour	IS:3025 (P-5)
93	CHEMICAL- WATER	Surface water	pH Value	IS 3025 (P-11)
94	CHEMICAL- WATER	Surface water	Potassium (as K)	IS 3025 (Part 45) (Cl.5 & 6)
95	CHEMICAL- WATER	Surface water	Silica	IS 3025 (Part 35)
96	CHEMICAL- WATER	Surface water	Sodium (as Na)	IS 3025 (Part 45)
97	CHEMICAL- WATER	Surface water	Sulphate	IS 3025 (Part 24)
98	CHEMICAL- WATER	Surface water	Sulphide (as H2S)	IS 3025 (Part 29) (Cl. 3)
99	CHEMICAL- WATER	Surface water	Taste	IS 3025 (Part 8)
100	CHEMICAL- WATER	Surface water	Total Alkalinity (as CaCO3)	IS 3025 (Part 23)
101	CHEMICAL- WATER	Surface water	Total Dissolved Solids	IS 3025 (Part 16)

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102	CHEMICAL- WATER	Surface water	Total Hardness (as CaCO3)	IS 3025 (Part 21)
103	CHEMICAL- WATER	Surface water	Total Phosphate	APHA (23rd Edition) 4500- P (C)
104	CHEMICAL- WATER	Surface water	Total Suspended Solids	IS 3025 (Part 17)
105	CHEMICAL- WATER	Surface water	Turbidity	IS 3025 (Part 10)