National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : LAWN ENVIRO ASSOCIATES, #184-C, LAWN HOUSE, VENGALRAO NAGAR, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 12/06/2022 to 11/06/2024 **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- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	(NAAQMS/36/2012-13) CPCB Guidelines for the measurement of Ambient Air Pollutants, Volume – 1 , Indophenol Blue Method
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide (NO2)	IS 5182 (Part 6) Jacob & Hochheiser Method
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Ozone	IS 5182 (Part 9)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (Size less than 10µm) or PM10	IS 5182 (Part 23)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (Size less than 2.5µm) or PM2.5	IS 5182 (Part 24) Methods for Measurement of Air Pollution Fine Particulate Matter (PM2.5)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO2)	IS 5182 (Part 2)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Noise levels	IS 9989
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxides of Nitrogen	IS 11255 (Part 7)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxde	IS 11255 (Part 2)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Suspended Particulate Matter	IS 11255 (Part 1)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment/ Indoor Air	Light Intensity/Lighting Power Density (Illumination)	IS 3646 Part 1
12	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents / Sewage	Oil & Grease	APHA 23rd Edition, 5520 B
13	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents / Sewage	Silica as SiO2	APHA 23rd Edition, 4500 SiO2 C
14	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Hexavalent Chromium as Cr+6	APHA 23rd Edition, 3500 Cr B
15	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Phenolic Compounds as C6H5OH	APHA 23rd Edition, 5530 D
16	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Acidity as CaCO3	APHA 23rd Edition, 2310 B
17	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Ammonical Nitrogen as N	APHA 23rd Edition, 4500 NH3 B, C

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18	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Chlorides as Cl	APHA 23rd Edition, 4500 Cl- B
19	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Conductivity @ 25ºC	APHA 23rd Edition, 2510 B
20	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Fixed Solids	APHA 23rd Edition, 2540 E
21	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Fluorides as F	APHA 23rd Edition, 4500 F- D
22	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Nitrate Nitrogen as N	IS:3025 (Part 34)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Nitrite Nitrogen as N	APHA 23rd Edition, 4500 NO2 - B
24	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Nitrogen (Organic) as N	APHA 23rd Edition, 4500 N (org) B
25	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	pH @ 25ºC	APHA 23rd Edition,4500 H+ B
26	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Residual Chlorine as Cl	APHA 23rd Edition, 4500 Cl B
27	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Sulphates as SO4-2	APHA 23rd Edition, 4500 SO4-2 D
28	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Temperature	APHA 23rd Edition,2550 B
29	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Total Alkalinity as CaCO3	APHA 23rd Edition,2320 B
30	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Total Dissolved Solids @180°C	APHA 23rd Edition,2540 C
31	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Total Solids@ 103 -105oC	APHA 23rd Edition,2540 B
32	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Volatile Solids	APHA 23rd Edition, 2540 E
33	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Magnesium as Mg	APHA 23rd Edition, 3500 Mg B
34	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Bio Chemical Oxygen Demand (3 Days @27°C)	IS: 3025 (Part-44)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Boron as B	APHA 23rd Edition, 4500-B B
36	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Calcium as Ca	APHA 23rd Edition, 3500 Ca B

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37	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Chemical Oxygen Demand	APHA 23rd Edition, 5220 B
38	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Cyanide	APHA 23rd Edition, 4500 CN- C, E
39	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Dissolved Oxygen	APHA 23rd Edition, 4500 O C
40	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Iron as Fe	APHA 23rd Edition, 3500 Fe B
41	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Phosphorus as P	APHA 23rd Edition, 4500 P C
42	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Potassium as K	APHA 23rd Edition, 3500 K B
43	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Sodium as Na	APHA 23rd Edition, 3500 Na B
44	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Total Hardness as CaCO3	APHA 23rd Edition, 2340 C
45	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Total Suspended Solids @103 - 105°C	APHA 23rd Edition,2540 D
46	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Available Sodium (as Na)	SOP No. LAWN/STP/S/LAB-259, Issue/Revision No.03/00, Issue Date : 10.12.2018
47	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Available Calcium as Ca	SOP No. LAWN/STP/S/LAB-263, Issue/Revision No.03/00, Issue Date :10.12.2018
48	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Available Magnesium as Mg	SOP No. LAWN/STP/S/LAB-263, Issue/Revision No. 03/00, Issue Date : 10.12.2018
49	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Available Phosphorus (as P)	SOP No. LAWN/STP/S/LAB-283, Issue/Revision No. 03/00, Issue Date : 10.12.2018
50	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Available Potassium(as K)	SOP No. LAWN/STP/S/LAB-260 Issue/Revision No. 03/00, Issue Date : 10.12.2018
51	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Electrical Conductivity @ 25°C	IS 14767
52	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Moisture	IS:2720 (Part 2)
53	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Nitrogen	IS 14684

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54	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Organic Carbon	IS 2720 (Part 22)
55	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Organic Matter	IS 2720 (Part 22)
56	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	pH	IS 2720 (Part 26)
57	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Soluble Chlorides as Cl	SOP No. LAWN/STP/LAB-261, Issue/Revision No. 03/00, Issue Date: 10.12.2018
58	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Soluble Sulphates as SO4-2	IS: 2720 (Part – 27)
59	CHEMICAL- POLLUTION & ENVIRONMENT	Solid/Liquid waste	Bulk Density	ASTM D 5057
60	CHEMICAL- POLLUTION & ENVIRONMENT	Solid/Liquid waste	Flash Point	SW - 846 : 1020 A
61	CHEMICAL- POLLUTION & ENVIRONMENT	Solid/Liquid waste	Gross Calorific Value	IS 1350 (Part 2)
62	CHEMICAL- WATER	Drinking Water	Acidity as CaCO3	APHA 23rd Edition, 2310 B
63	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen	APHA 23rd Edition, 4500 NH3 B
64	CHEMICAL- WATER	Drinking Water	Bio Chemical Oxygen Demand (3 Days @ 27 degree C	IS 3025 (Part-44)
65	CHEMICAL- WATER	Drinking Water	Boron	APHA 23rd Edition, 4500 B B
66	CHEMICAL- WATER	Drinking Water	Calcium as Ca	APHA 23rd Edition, 4500 Cl- B
67	CHEMICAL- WATER	Drinking Water	Chemical Oxygen Demand	APHA 23rd Edition, 5220 B
68	CHEMICAL- WATER	Drinking Water	Chlorides as Cl	APHA 23rd Edition, 4500 Cl- B
69	CHEMICAL- WATER	Drinking Water	Colour	APHA 23rd Edition, 2120 C
70	CHEMICAL- WATER	Drinking Water	Conductivity @ 25 degrees C	APHA 23rd Edition, 2510 B
71	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	APHA 23rd Edition, 4500 O C
72	CHEMICAL- WATER	Drinking Water	Flouride as F	APHA 23rd Edition, 4500 F- D
73	CHEMICAL- WATER	Drinking Water	Hexavalent Chromium as Cr+6	APHA 23rd Edition, 3500 Cr B
74	CHEMICAL- WATER	Drinking Water	Iron Fe	APHA 23rd Edition, 3500 Fe B
75	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	APHA 23rd Edition, 3500 Mg B
76	CHEMICAL- WATER	Drinking Water	Nitrate Nitrogen as N	APHA 23rd Edition, 4500 NO3 - B

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77	CHEMICAL- WATER	Drinking Water	Nitrite Nitrogen as N	APHA 23rd Edition, 4500 NO2 - B
78	CHEMICAL- WATER	Drinking Water	Oil & Grease	APHA 23rd Edition, 5520 B
79	CHEMICAL- WATER	Drinking Water	pH @ 25 degree C	APHA 23rd Edition, 4500 H+ B
80	CHEMICAL- WATER	Drinking Water	Phenolic Compounds as C6H5OH	APHA 23rd Edition 5530 D
81	CHEMICAL- WATER	Drinking Water	Phosphorus as P	APHA 23rd Edition, 4500 P C
82	CHEMICAL- WATER	Drinking Water	Potassium as K	APHA 23rd Edition, 3500 K B
83	CHEMICAL- WATER	Drinking Water	Residual Chlorine as Cl	APHA 23rd Edition, 4500 Cl B
84	CHEMICAL- WATER	Drinking Water	Silica as SiO2	APHA 23rd Edition, 4500 SiO2 C
85	CHEMICAL- WATER	Drinking Water	Sulphates as SO4	APHA 23rd Edition, 4500 SO4-2 E
86	CHEMICAL- WATER	Drinking Water	Temperature	APHA 23rd Edition, 2550 B
87	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	APHA 23rd Edition, 2320 B
88	CHEMICAL- WATER	Drinking Water	Total Cyanide CN	APHA 23rd Edition, CN- C, E
89	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids @ 180 degree C	APHA 23rd Edition, 2540 C
90	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	APHA 23rd Edition, 2340 C
91	CHEMICAL- WATER	Drinking Water	Turbidity	APHA 23rd Edition, 2130 B
92	CHEMICAL- WATER	Ground Water	Acidity as CaCO3	APHA 23rd Edition, 2310 B
93	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen as N	APHA 23rd Edition, 4500 NH3 B, C
94	CHEMICAL- WATER	Ground Water	Bio Chemical Oxygen Demand (3 Days @27°C)	IS: 3025(Part-44)
95	CHEMICAL- WATER	Ground Water	Boron as B	APHA 23rd Edition, 4500 B-B
96	CHEMICAL- WATER	Ground Water	Calcium as Ca	APHA 23rd Edition, 3500 Ca B
97	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	APHA 23rd Edition, 5220 B
98	CHEMICAL- WATER	Ground Water	Chlorides as Cl	APHA 23rd Edition, 4500 Cl- B
99	CHEMICAL- WATER	Ground Water	Colour	APHA 23rd Edition, 2120 C
100	CHEMICAL- WATER	Ground Water	Conductivity @ 25ºC	APHA 23rd Edition, 2510 B
101	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	APHA 23rd Edition, 4500O C
102	CHEMICAL- WATER	Ground Water	Fluorides as F	APHA 23rd Edition, 4500 F- D

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103	CHEMICAL- WATER	Ground Water	Hexavalent Chromium as Cr+6	APHA 23rd Edition, 3500 Cr B
104	CHEMICAL- WATER	Ground Water	Iron as Fe	APHA 23rd Edition, 3500 Fe B
105	CHEMICAL- WATER	Ground Water	Magnesium as Mg	APHA 23rd Edition, 3500 Mg B
106	CHEMICAL- WATER	Ground Water	Nitrate Nitrogen as N	APHA 23rd Edition, 4500 NO3- B
107	CHEMICAL- WATER	Ground Water	Nitrite Nitrogen as N	APHA 23rd Edition, 4500 NO2 - B (Colorimetric Method)
108	CHEMICAL- WATER	Ground Water	Oil & Grease	APHA 23rd Edition, 5520 B
109	CHEMICAL- WATER	Ground Water	pH @ 25ºC	APHA 23rd Edition, 4500 H+ B
110	CHEMICAL- WATER	Ground Water	Phenolic Compounds as C6H5OH	APHA 23rd Edition, 5530 D (Direct Photometric Method)
111	CHEMICAL- WATER	Ground Water	Phosphorus as P	APHA 23rd Edition, 4500 P C
112	CHEMICAL- WATER	Ground Water	Potassium as K	APHA 23rd Edition, 3500 K B
113	CHEMICAL- WATER	Ground Water	Residual Chlorine as Cl	APHA 23rd Edition, 4500 Cl B
114	CHEMICAL- WATER	Ground Water	Silica as SiO2	APHA 23rd Edition, 4500 SiO2 C
115	CHEMICAL- WATER	Ground Water	Sodium as Na	APHA 23rd Edition, 3500 Na B
116	CHEMICAL- WATER	Ground Water	Sulphates as SO4	APHA 23rd Edition, 4500 SO4-2 E : Turbidity Method
117	CHEMICAL- WATER	Ground Water	Temperature	APHA 23rd Edition,2550 B
118	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO3	APHA 23rd Edition, 2320 B
119	CHEMICAL- WATER	Ground Water	Total Cyanide CN	APHA 23rd Edition, 4500 CN- C, E
120	CHEMICAL- WATER	Ground Water	Total Dissolved Solids @180°C	APHA 23rd Edition, 2540 C
121	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	APHA 23rd Edition, 2340 C
122	CHEMICAL- WATER	Ground Water	Turbidity	APHA 23rd Edition, 2130 B
123	CHEMICAL- WATER	Surface Water	Acidity as CaCO3	APHA 23rd Edition, 2310 B
124	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen as N	APHA 23rd Edition, 4500 NH3 B, C
125	CHEMICAL- WATER	Surface Water	Bio Chemical Oxygen Demand (3days @ 27 degrees C)	IS 3025 (Part-44)
126	CHEMICAL- WATER	Surface Water	Boron as B	APHA 23rd Edition 4500 B : B
127	CHEMICAL- WATER	Surface Water	Calcium as Ca	APHA 23rd Edition 3500 Ca B
128	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	APHA 23rd Edition, 5220 B

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129	CHEMICAL- WATER	Surface Water	Chlorides as Cl-	APHA 23rd Edition, 4500 Cl- B
130	CHEMICAL- WATER	Surface Water	Colour	APHA 23rd Edition 2120 C
131	CHEMICAL- WATER	Surface Water	Conductivity at 25 degree C	APHA 23rd Edition, 2510 B
132	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	APHA 23rd Edition, 4500 O C
133	CHEMICAL- WATER	Surface Water	Flourides as F	APHA 23rd Edition, 4500 F- D
134	CHEMICAL- WATER	Surface Water	Hexavalent Chromium as Cr+6	APHA 23rd Edition, 3500 Cr B
135	CHEMICAL- WATER	Surface Water	Iron as Fe	APHA 23rd Edition 3500 Fe B
136	CHEMICAL- WATER	Surface Water	Magnesium as Mg	APHA 23rd Edition 3500 Mg B
137	CHEMICAL- WATER	Surface Water	Nitrate Nitrogen as N	APHA 23rd Edition, 4500 NO3 B
138	CHEMICAL- WATER	Surface Water	Nitrite Nitrogen as N	APHA 23rd Edition, 4500 NO2 B
139	CHEMICAL- WATER	Surface Water	Oil & Grease	APHA 23rd Edition, 5520 B
140	CHEMICAL- WATER	Surface Water	pH @ 25 degree C	APHA 23rd Edition, 4500 H+ B
141	CHEMICAL- WATER	Surface Water	Phenolic Compounds C6H5OH	APHA 23rd Edition, 5530 D
142	CHEMICAL- WATER	Surface Water	Phosphorus as P	APHA 23rd Edition, 4500 P C
143	CHEMICAL- WATER	Surface Water	Potassium as K	APHA 23rd Edition, 3500 K B
144	CHEMICAL- WATER	Surface Water	Residual Chlorine as Cl	APHA 23rd Edition, 4500 Cl B
145	CHEMICAL- WATER	Surface water	Silica as SiO2	APHA 23rd Edition 4500 SiO2 C
146	CHEMICAL- WATER	Surface Water	Sodium as Na	APHA 23rd Edition, 3500 Na B
147	CHEMICAL- WATER	Surface Water	Sulphates as SO4	APHA 23rd Edition, 4500 SO4-2 E
148	CHEMICAL- WATER	Surface Water	Temperature	APHA 23rd Edition, 2550 B
149	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO3	APHA 23rd Edition, 2320 B
150	CHEMICAL- WATER	Surface Water	Total Cyanide	APHA 23rd Edition, 4500 CN C E
151	CHEMICAL- WATER	Surface Water	Total Dissolved Solids @ 180 degree C	APHA 23rd Edition, 2540 C
152	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	APHA 23rd Edition, 2340 C
153	CHEMICAL- WATER	Surface Water	Turbidity	APHA 23rd Edition, 2130 B