National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENVIROCHEM RESEARCH & TEST LABS PVT. LTD., HIG-79, SECTOR-E, ALIGANJ, LUCKNOW, UTTAR PRADESH, 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- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia (NH3)	Lab SOP No. ERTL/WI/Air/10, Issue No. 01
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Arsenic (As)	APHA, 23rd Edition,3114C, Pg.no.3-40/AAS Method
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	carbon monoxide	IS 5182(Part 10)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead (Pb)	APHA 23rd Edition, 3111A, pg.no. 3-16/AAS method
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel (Ni)	APHA, 23rd Edition, 3111A, pg.no. 3-16,/AAS method
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide (NO2)	IS 5182(PART 6)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	OZONE	IS 5182(Part IX)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM10	IS5182(PART23)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	PM2.5	LAB SOP NO. ERTL/WI/Air/01, Issue No. 1
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO2)	IS 5182(PART2)
11	CHEMICAL- ATMOSPHERIC POLLUTION	AMBIENT NOISE	Noise Level Leq	IS 9989 Lab
12	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor Air	Nitrogen dioxide (NO2)	IS 5182 (PART 6)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor Air	SPM	IS 5182 (PART 4)
14	CHEMICAL- ATMOSPHERIC POLLUTION	Indoor Air	Sulphur Dioxide (SO2)	IS 5182 (PART 2)
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Ammonia (NH3)	IS 41515/COLORIMETRIC
16	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	carbon Di oxide	IS 13270
17	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon monoxide (CO)	IS 13270/Flue gas analyzer
18	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Fluoride	IS 11255(Part 5)

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19	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Nitrogen dioxide (NO2)	IS 11255 (PART 7)/Flue gas analyzer
20	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	oxygen	IS 13270
21	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	PM in Stack	IS11255 (PART 1)
22	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide (SO2)	IS 11255 (PART 2)
23	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Ammonia	IS 5182(Part 25)
24	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	carbon Di oxide	IS 5182(Part 10)
25	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	carbon monoxide	IS 5182(Part 10)
26	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Fluoride	IS 11255(Part 5)
27	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Illumination	IS 6665
28	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Lead	Method 303A 3rd ed. apha air,APHA 23rd ed 2017-3111B
29	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Nickle	method 303 A 3rd APHA Air, 1988
30	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Phosphorus	ERL/SOP/S/VIII Issue No 01, Issue Date:09.02.2018 Method Manual, Ministry of Agriculture, GOI: 4.6.3, Part-12
31	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Potassium	ERL/SOP/S/IX Issue No 01, Issue Date:09.02.2018 Method Manual Ministry of Agriculture, GOI: 4.6.3, Part-14
32	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Bulk Density	ERTL/SOP/S/XX
33	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Cadmium	ERL/SOP/S/XII Issue No 01, Issue Date:10.02.2018
34	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Calcium	ERL/SOP/S/II Issue No 01, Issue Date:06.02.2018
35	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Chloride	ERL/SOP/S/III Issue No 01, Issue Date:07.02.2018

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36	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Conductivity	ERTL/SOP/S/XIX
37	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Fluoride (F)	ERL/SOP/S/V Issue No 01, Issue Date:08.02.2018
38	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Lead	ERL/SOP/S/XI Issue No 01, Issue Date:10.02.2018
39	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Magnesium	ERL/SOP/S/II Issue No 01, Issue Date:06.02.2018
40	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Manganese	ERL/SOP/S/XV Issue No 01, Issue Date:10.02.2018
41	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Nickel	ERL/SOP/S/XIII Issue No 01, Issue Date:10.02.2018
42	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Nitrate	ERL/SOP/S/VI Issue No 01, Issue Date:08.02.2018
43	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic matter	ERTL/SOP/S/XV
44	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH	ERL/SOP/S/I Issue No 01, Issue Date:06.02.2018
45	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Sodium	ERTL/SOP/S/XXII
46	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Sulphate	ERL/SOP/S/IV Issue No 01, Issue Date:07.02.2018
47	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Texture	ERTL/SOP/S/XXI
48	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Chromium	ERL/SOP/S/X Issue No 01, Issue Date:10.02.2018
49	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Nitrogen	ERL/SOP/S/VII Issue No 01, Issue Date:09.02.2018
50	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Zinc	ERL/SOP/S/XIV Issue No 01, Issue Date:10.02.2018
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Ammonical Nitrogen	APHA 23rd Ed. 4500 NH3 C
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Arsenic	APHA 23rd Ed. 3111-C
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Biochemical Oxygen Demand (BOD)	APHA 23rd Ed. 5210-B & CPCB method
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Cadmium	APHA 23rd Ed.3111-A

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55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Chemical Oxygen Demand (COD)	APHA 23rd Ed.5220-B
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Copper	APHA 23rd Ed. 3111-A
57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Dissolved Oxygen (DO) in field	APHA 23rd Ed. 5210-B
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Fluoride (F)	APHA 23rd Ed. 4500F-D
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Iron	APHA 23rd Ed.3111-A
60	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Lead	APHA 23rd Ed. 3111-A
61	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Manganese	APHA 23rd Ed. 3111-A
62	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Nickel	APHA 23rd Ed. 3111-A
63	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Nitrate (N)	APHA 23rd Ed.4500-NO3-F
64	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Oil & Grease	APHA23rd Ed.5520-C&D
65	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	pH	APHA 23rd Ed. 4500-H+ B
66	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Phosphate	APHA 23rd Ed. 4500-P D
67	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Suspended solids	APHA 23rd ed. 2540-D
68	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Total Chromium	APHA 23 rd Ed. 3111A
69	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Total Dissolved Solids	APHA 23rd Ed. 2540-C
70	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Total Nitrogen	APHA 23rd Ed.4500-Norg B
71	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Total Solids	APHA 23rd Ed. 2540 B
72	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Zinc	APHA 23rd Ed. 3111-A
73	CHEMICAL- RESIDUES IN WATER	Water	Arsenic	APHA, 23rd Ed. 3114 – C

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74	CHEMICAL- RESIDUES IN WATER	Water	Cadmium	APHA, 23rd Ed. 3111 – A
75	CHEMICAL- RESIDUES IN WATER	Water	Copper	APHA, 23rd Ed. 3111 – A
76	CHEMICAL- RESIDUES IN WATER	Water	Iron	APHA, 23rd Ed. 3111 – A
77	CHEMICAL- RESIDUES IN WATER	Water	Lead	APHA, 23rd Ed. 3111 – A
78	CHEMICAL- RESIDUES IN WATER	Water	Manganese	APHA, 23rd Ed. 3111 – A
79	CHEMICAL- RESIDUES IN WATER	Water	Nickel	APHA, 23rd Ed. 3111 – A
80	CHEMICAL- RESIDUES IN WATER	Water	Total Chromium	APHA, 23rd Ed. 3111 – A
81	CHEMICAL- RESIDUES IN WATER	Water	Zinc	APHA, 23rd Ed. 3111 – A
82	CHEMICAL- SOLID FUELS	Briquettes	Ash	ERTL/SOP/SW-4
83	CHEMICAL- SOLID FUELS	Briquettes	gross calorific value	ERTL/SOP/SW-2
84	CHEMICAL- SOLID FUELS	Briquettes	Moisture	ERTL/SOP/SW/1
85	CHEMICAL- SOLID FUELS	Briquettes	Sulphur	ERTL/SOP/SW-3
86	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen	APHA, 23rd Ed. 4500-NH3 F
87	CHEMICAL- WATER	Drinking Water	Boron	APHA, 23rd Ed. 4500-B C
88	CHEMICAL- WATER	Drinking Water	Calcium	APHA, 23rd Ed. 3500-Ca B
89	CHEMICAL- WATER	Drinking Water	Calcium Hardness as CaCO3	APHA, 23rd Ed. 2340 – C
90	CHEMICAL- WATER	Drinking Water	Chloride	APHA, 23rd Ed. 4500- Cl- B
91	CHEMICAL- WATER	Drinking Water	Color	APHA, 23rd Ed. 2120-B
92	CHEMICAL- WATER	Drinking Water	Conductivity	APHA, 23rd Ed. 2510-B
93	CHEMICAL- WATER	Drinking Water	Fluoride	APHA, 23rd Ed. 4500-F- D
94	CHEMICAL- WATER	Drinking Water	Magnesium	APHA, 23rd Ed. 3500-Mg B
95	CHEMICAL- WATER	Drinking Water	Magnesium	APHA, 23rd Ed. 3500-Mg B
96	CHEMICAL- WATER	Drinking Water	Magnesium Hardness as CaCO3	APHA, 23rd Ed. 2340 – C
97	CHEMICAL- WATER	Drinking Water	Nitrate	APHA, 23rd Ed. 4500-NO3- B
98	CHEMICAL- WATER	Drinking Water	Nitrate	APHA, 23rd Ed. 4500-NO3- B

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99	CHEMICAL- WATER	Drinking water	pH	APHA, 23rd Ed. 4500 - H+-B
100	CHEMICAL- WATER	Drinking Water	Phosphate	APHA, 23rd Ed. 4500-P D
101	CHEMICAL- WATER	Drinking Water	Potassium	APHA, 23rd Ed. 3500 K B
102	CHEMICAL- WATER	Drinking Water	Residual Chlorine	APHA, 23rd Ed. 4500-ClO2 B
103	CHEMICAL- WATER	Drinking Water	Silica	APHA, 23rd Ed. 4500-SiO2 C
104	CHEMICAL- WATER	Drinking Water	Sodium	APHA, 23rd Ed. 3500 Na
105	CHEMICAL- WATER	Drinking Water	Sulphate	APHA, 23rd Ed. 4500-SO4-2 E
106	CHEMICAL- WATER	Drinking Water	Suspended Solids	APHA, 23rd Ed. 2540 – D
107	CHEMICAL- WATER	Drinking Water	Temperature	APHA 23rd Ed. 2017 2550-B
108	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	APHA, 23rd Ed. 2320 – B
109	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	APHA, 23rd Ed. 2540 – C
110	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	APHA, 23rd Ed. 2340 – C
111	CHEMICAL- WATER	Drinking Water	Total Solids	APHA, 23rd Ed. 2540 – B
112	CHEMICAL- WATER	Drinking Water	Total Solids	APHA, 23rd Ed. 2540 – B
113	CHEMICAL- WATER	Drinking Water	Turbidity	APHA, 23rd Ed. 2130 – B
114	CHEMICAL- WATER	Industrial Water	Bio Assay Test	ERTL/SOP/W-1/WW/XL
115	CHEMICAL- WATER	Industrial Water	CHLORIDE	APHA 23rd 2017,4500-cl-B
116	CHEMICAL- WATER	Industrial Water	Colour	APHA 23rd Ed., 2120-B
117	CHEMICAL- WATER	Industrial Water	Cyanide	APHA 23rd Ed. 4500CN-E
118	CHEMICAL- WATER	Industrial Water	Fixed dissolve solds	APHA 23rd Ed.2107,2540-C,2540-E
119	CHEMICAL- WATER	Industrial Water	Fixed Solids	APHA 23rd Ed.2107,2540-E
120	CHEMICAL- WATER	Industrial Water	Hexavalent Chromium	APHA-23rd Ed. 2017, 3500Cr -B
121	CHEMICAL- WATER	Industrial Water	MLSS	ERTL/SOP/WW/XLI
122	CHEMICAL- WATER	Industrial Water	MLVSS	ERTL/SOP/WW/XLI
123	CHEMICAL- WATER	Industrial Water	Nitrite	APHA 23rd 2017,4500No2 B
124	CHEMICAL- WATER	Industrial Water	Phenol	APHA 23rd 2017 Ed.5530-c
125	CHEMICAL- WATER	Industrial Water	Sulphate	APHA 23rd Ed.2017,4500-So4 E
126	CHEMICAL- WATER	Industrial Water	sulphide	APHA 23rd 2017, 4500-s2- F
127	CHEMICAL- WATER	Industrial Water	Volatile dissolve solids	APHA 23rd Ed.2107,2540-c,2540-E

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128	CHEMICAL- WATER	Industrial Water	Volatile Solids	APHA 23rd Ed.2107, 2540-E