National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SILVER OAK ENVIRONMENT LABORATORY, BLOCK-B/302, SILVER OAK COLLEGE OF ENGINEERING AND TECHNOLOGY, S.G.HIGHWAY, GOTA, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 19/07/2022 to 18/07/2024 **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	Oxides of Nitrogen as NO2	IS 5182 (Part 6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter PM10	IS 5182 (Part 23)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter PM2.5	IS 5182 (Part 24)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide as SO2	IS 5182 (Part 2)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Oxides of Nitrogen (NOx)	IS 11255 (Part 7)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Particulate Matter	IS 11255 (Part 1)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas	Sulphur Dioxide (SO2)	IS 11255 (Part 2)
8	CHEMICAL- POLLUTION & ENVIRONMENT	STP/ ETP Treated Water	Residual Chlorine	APHA 23rd Edition: 4500-Cl B
9	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Ammonical Nitrogen	APHA 23rd Edition: 4500-NH3 C
10	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Bio-Chemical Oxygen Demand	IS 3025 (Part 44)
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Chemical Oxygen Demand	IS 3025 (Part 58)
12	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Chloride	APHA 23rd Edition: 4500-Cl B
13	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Dissolve Oxygen	APHA 23rd Edition: 4500-O C
14	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Oil & Grease	APHA 23rd Edition: 5520 B
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	pH value	IS 3025 (Part 11)
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Potassium	APHA 23rd Edition: 3500-K B
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Sodium	APHA 23rd Edition: 3500- Na B.
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Sulphate	IS 3025 (Part 24)

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Sulphide	APHA 23rd Edition: 4500- S2 F
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Temperature	APHA 23rd Edition: 2550 B.
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Dissolve Solids	APHA 23rd Edition: 2540 C
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Solids	APHA 23rd Edition: 2540 B
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Suspended Solids	APHA 23rd Edition: 2540 D
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Turbidity	APHA 23rd Edition: 2130 B
25	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Ammonical Nitrogen	APHA 23rd Edition: 4500- NH3 B, C
26	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Bio-Chemical Oxygen Demand	IS 3025 Part- 44
27	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Calcium as Ca	APHA 23rd Edition: 3500 Ca- B.
28	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Calcium Hardness as CaCO3	APHA 23rd Edition: 3500 Ca- B.
29	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Chemical Oxygen Demand	IS 3025 Part- 58
30	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Chloride	APHA 23rd Edition: 4500-Cl- B.
31	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Conductivity	IS 3025 Part-14
32	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Dissolved Oxygen	APHA 23rd Edition: 4500- O C.
33	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Magnesium as Mg	APHA 23rd Edition: 3500 Mg- B.
34	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Magnesium Hardness as CaCO3	APHA 23rd Edition: 3500 Mg- B.
35	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Oil & Grease	APHA 23rd Edition: 5520- B.
36	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	pH Value	IS 3025 Part-11
37	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Potassium	APHA 23rd Edition: 3500- K B.
38	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Residual Chlorine	APHA 23rd Edition: 4500-Cl- B.
39	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Sodium	APHA 23rd Edition: 3500- Na B.
40	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Sulphate	IS 3025 Part-24
41	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Sulphide	APHA 23rd Edition: 4500- S2- F.
42	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Temperature	APHA 23rd Edition: 2550 B.
43	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Total Acidity	IS 3025 Part - 22
44	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Total Alkalinity as CaCO3	APHA 23rd Edition: 2320- B.

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45	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Total Dissolve Solids	APHA 23rd Edition: 2540 C.
46	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Total Hardness as CaCO3	APHA 23rd Edition: 2340- C.
47	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Total Solids	APHA 23rd Edition: 2540 B.
48	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Total Suspended Solids	APHA 23rd Edition: 2540 D.
49	CHEMICAL- WATER	Surface Water / Drinking Water / Potable Water	Turbidity	APHA 23rd Edition: 2130 B.