National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : REGIONAL LABORATORY, GUJARAT POLLUTION CONTROL BOARD, C-1/119/3, GIDC PHASE-II, NARMADA NAGAR, BHARUCH, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7844 **Page No** 1 of 5

Validity 30/12/2021 to 29/12/2023 **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	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Free Chlorine (Cl2)	IS 5182 (Part XIX)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide (NO2)	IS 5182 (Part 6)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM10	IS 5182 (Part 23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO2)	IS 5182 (Part 2)
5	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Turbidity	APHA, 23rd Edition (2130 B)
6	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Acidity as CaCO3	APHA, 23rd Edition(2310 B)
7	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Alkalinity as CaCO3	APHA 23rd Edition(2320 B)
8	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Ammonia Nitrogen as NH3-N	APHA ,23rd Edition-4500-NH3-N-B & C
9	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	BOD @ 27ºC (for 3 days)	IS 3025 (Part 44)
10	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Boron as B	APHA, 23rd Edition (4500-B B)
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Calcium as Ca	APHA, 23rd Edition (3500-Ca B)
12	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Chemical Oxygen Demand	APHA,23rd Edition (5220:B)
13	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Chemical Oxygen Demand	IS:3025-Part-58
14	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Chloride as Cl	APHA, 23rd Edition 4500 Cl B
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Conductivity	APHA, 23rd edition 2510 A & B
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Dissolved O2	APHA ,23rd Edition,4500-O – C
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Hexavalent Chromium	APHA, 23rd Edition.(3500 – Cr B)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Magnesium as Mg	APHA, 23rd Edition.(3500 – Mg B)

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Nitrite Nitrogen as NO2-N	APHA, 23rd Edition, (4500-NO2-B)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Oil & Grease	APHA,23rd Edition(5520 -B)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Percent Sodium	IS 11624
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	pH Value	APHA 23rd edition 4500-H-B.
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Phenolic Compounds (as C6H5OH)	APHA , 23rd Edition.(5530 D)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Phosphate as PO4 (Inorganic & Total Phosphate)	APHA, 23rd Edition-(4500 – P: D)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Potassium	APHA, 23rd Edition.(3500-K B)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Sodium	APHA, 23rd Edition Ed(3500 – Na B)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Sodium Absorption Ratio	IS 11624
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Sulphate (as SO4)	APHA,23rd Edition.(4500 SO4 E)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Sulphides (as H2S)	APHA, 23rd Edition.(4500-S-2--F)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Total Dissolved Solid (TDS)	APHA ,23rd edition (2540-C)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Total Hardness as CaCO3	APHA, 23rd Edition(2340 C)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Total Kjeldahl Nitrogen as N	APHA,23rd Edition (4500-N org – B)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Total Solids	APHA , 23rd edition(.2540 B)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Total Suspended Solids (TSS)	APHA,23rd edition (2540-D)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Volatile & Fixed residue	APHA, 23rd Edition(2540 E)
36	CHEMICAL- WATER	Ground Water & Surface Water	Total Hardness as CaCO3	APHA, 23rd Edition(2340 C)
37	CHEMICAL- WATER	Ground Water & Surface Water	Acidity as CaCO3	APHA 23rd Edition(2310 B)
38	CHEMICAL- WATER	Ground Water & Surface Water	Alkalinity as CaCO3	APHA 23rd Edition(2320 B)

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39	CHEMICAL- WATER	Ground Water & Surface Water	Ammonia Nitrogen as NH3-N	APHA ,23rd Edition-(4500-NH3-N-B & C)
40	CHEMICAL- WATER	Ground Water & Surface Water	BOD @ 27ºC (for 3 days)	IS 3025 (Part 44)
41	CHEMICAL- WATER	Ground Water & Surface Water	Boron as B	APHA, 23rd Edition (4500-B: B)
42	CHEMICAL- WATER	Ground Water & Surface Water	Calcium as Ca	APHA, 23rd Edition (3500-Ca B)
43	CHEMICAL- WATER	Ground Water & Surface Water	Chemical Oxygen Demand	APHA,23rd Edition (5220:B)
44	CHEMICAL- WATER	Ground Water & Surface Water	Chloride as Cl	APHA, 23rd Edition (4500 Cl B)
45	CHEMICAL- WATER	Ground Water & Surface Water	Conductivity	APHA, 23rd edition (2510 A & B)
46	CHEMICAL- WATER	Ground Water & Surface Water	Dissolved O2	APHA ,23rd Edition,(4500-O – C)
47	CHEMICAL- WATER	Ground Water & Surface Water	Hexavalent Chromium	APHA, 23rd Edition.(3500 – Cr B)
48	CHEMICAL- WATER	Ground Water & Surface Water	Magnesium as Mg	APHA, 23rd Edition.(3500 – Mg B)
49	CHEMICAL- WATER	Ground Water & Surface Water	Nitrite Nitrogen as NO2-N	APHA, 23rd Edition, (4500-NO2-B)
50	CHEMICAL- WATER	Ground Water & Surface Water	Oil & Grease	APHA,23rd Edition(5520 -B)
51	CHEMICAL- WATER	Ground Water & Surface Water	Percent Sodium	IS 11624
52	CHEMICAL- WATER	Ground Water & Surface Water	pH Value	APHA, 23rd edition(4500-H-B)
53	CHEMICAL- WATER	Ground Water & Surface Water	Phenolic Compounds as C6H5OH	APHA , 23rd Edition.(5530 D)
54	CHEMICAL- WATER	Ground Water & Surface Water	Phosphate	APHA, 23rd Edition-(4500 – P: D)
55	CHEMICAL- WATER	Ground Water & Surface Water	Potassium (K)	APHA, 23rd Edition.(3500-K B)
56	CHEMICAL- WATER	Ground Water & Surface Water	Sodium (Na)	APHA, 23rd Edition Ed(3500 – Na B)
57	CHEMICAL- WATER	Ground Water & Surface Water	Sodium Absorption ratio	IS 11624
58	CHEMICAL- WATER	Ground Water & Surface Water	Sulphates (as SO4)	APHA,23rd Edition.(4500 SO4 E)
59	CHEMICAL- WATER	Ground Water & Surface Water	Sulphides as H2S	APHA, 23rd Edition.(4500-S-2--F)
60	CHEMICAL- WATER	Ground Water & Surface Water	Total Dissolved Solid (TDS)	APHA ,23rd edition (2540-C)
61	CHEMICAL- WATER	Ground Water & Surface Water	Total Kjeldahl Nitrogen as N	APHA,23rd Edition (4500-N org – B)

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62	CHEMICAL- WATER	Ground Water & Surface Water	Total Solids	APHA , 23rd edition(.2540 B)
63	CHEMICAL- WATER	Ground Water & Surface Water	Total Suspended Solids (TSS)	APHA,23rd edition (2540-D)
64	CHEMICAL- WATER	Ground Water & Surface Water	Turbidity	APHA 23rd Edition (2130 B)
65	CHEMICAL- WATER	Ground Water & Surface Water	Volatile & Fixed residue	APHA, 23rd Edition(2540 E)

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Site Facility				
1	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents & Sewage)	Temperature	IS: 3025 (Part –IX)
2	CHEMICAL- WATER	Ground Water & Surface Water	Temperature oC	IS: 3025 (Part –IX)