National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : LABORATORY DEPARTMENT, KALPTARU POLLUTION CONTROL, 606-B, 6TH FLOOR. CENTER POINT, RING ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 10/01/2022 to 09/01/2024 **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	Fine particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m3	SOP No: KPC (D-LB-14/PART:2/Method A-3) Date Of Issue: 31/01
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Oxides of Nitrogen (as NO2)	IS: 5182 (Part – 6)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Respirable Suspended Particulate Matter (RSPM) (PM10)	IS: 5182 (Part - 23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (as SO2)	IS:5182 (Part - 2)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	Oxides of Nitrogen (as NO2)	IS: 11255 (Part - 7)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	Sulphur Dioxide (as SO2)	IS: 11255 (Part - 2)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Particulate Matter (PM)	IS: 11255 (Part - 1)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxides of Nitrogen (as NO2)	IS: 11255 (Part - 7)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter (PM)	IS: 11255 (Part - 1)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphur Dioxide (as SO2)	IS: 11255 (Part - 2)
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Solids (Dissolved & Suspended) (Total Residue)	IS: 3025 (Part – 15)
12	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents / Sewage)	Total Suspended Solids (Non-Filterable Residue)	IS: 3025 (Part – 17)
13	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Acidity (as CaCO3)	IS: 3025 (Part – 22)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Alkalinity (as CaCO3)	IS: 3025 (Part – 23)
15	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Biochemical Oxygen Demand (27? C for 3- days)	IS: 3025 (Part – 44)
16	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Calcium (as Ca+2)	APHA 23rd Ed. 3500 Ca – B
17	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Chemical Oxygen Demand	APHA 23rd Ed. 5220 B

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18	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Chloride (as Cl-)	IS: 3025 (Part – 32)
19	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Color	APHA 23rd Ed. 2120 B
20	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Dissolved Oxygen	IS: 3025 (Part – 38)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Electrical Conductivity	IS: 3025 (Part – 14)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Fixed Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Iron (as Fe)	IS: 3025 (Part – 35)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Magnesium (as Mg+2)	APHA 23rdEd. 3500 Mg - B
25	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Nitrite Nitrogen (as NO2--N)	APHA 23rd Ed. 4500 – NO2- -B
26	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Oil & Grease	IS: 3025 (Part – 39):
27	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	pH Value	IS: 3025 (Part – 11)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Sulphates (as SO4-2)	APHA 23rd Ed.-4500-SO42- -E
29	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Sulphides (as S-2)	APHA 23rd Ed. 4500 – S-2- F
30	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Temperature	IS: 3025 (Part – 9)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Total Dissolved Solids (Filterable Residue)	IS: 3025 (Part – 16)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Total Hardness (as CaCO3)	IS: 3025 (Part – 21)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Total Phosphorus (as P)	APHA 23rd Ed. 4500 P-E
34	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents /Sewage)	Volatile Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater (Effluents / Sewage)	Ammonical Nitrogen (as NH3-N)	APHA 23rd Ed. 4500 – NH3- C
36	CHEMICAL- WATER	Drinking Water	Acidity (as CaCO3)	IS: 3025 (Part – 22)
37	CHEMICAL- WATER	Drinking Water	Alkalinity (as CaCO3)	IS: 3025 (Part – 23)

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38	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen (as NH3-N)	APHA 23rd Ed. 4500 – NH3- C
39	CHEMICAL- WATER	Drinking Water	Biochemical Oxygen Demand (27? C for 3- days)	IS: 3025 (Part –44)
40	CHEMICAL- WATER	Drinking Water	Calcium (as Ca+2)	APHA 23rd Ed. 3500 Ca – B
41	CHEMICAL- WATER	Drinking Water	Carbonate (as CO3-2) & Bicarbonate (as HCO3-)	IS: 3025 (Part –51)
42	CHEMICAL- WATER	Drinking Water	Chemical Oxygen Demand	APHA 23rd Ed. 5220 B
43	CHEMICAL- WATER	Drinking Water	Chloride (as Cl-)	IS: 3025 (Part –32)
44	CHEMICAL- WATER	Drinking Water	Color	APHA 23rd Ed. 2120 B
45	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	IS: 3025 (Part –38)
46	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	IS: 3025 (Part –14)
47	CHEMICAL- WATER	Drinking Water	Fixed Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)
48	CHEMICAL- WATER	Drinking Water	Iron (as Fe)	IS: 3025 (Part – 53)
49	CHEMICAL- WATER	Drinking Water	Magnesium (as Mg+2)	APHA 23rdEd. 3500 Mg - B
50	CHEMICAL- WATER	Drinking Water	Nitrite Nitrogen (as NO2--N)	APHA 23rd Ed. 4500 – NO2- -B
51	CHEMICAL- WATER	Drinking Water	Oil & Grease	IS: 3025 (Part – 39)
52	CHEMICAL- WATER	Drinking Water	pH Value	IS: 3025 (Part –11)
53	CHEMICAL- WATER	Drinking Water	Sulphates (as SO4-2)	APHA 23rd Ed.-4500- SO42- E
54	CHEMICAL- WATER	Drinking Water	Sulphides (as S-2)	APHA 23rd Ed. 4500 – S-2- F
55	CHEMICAL- WATER	Drinking Water	Temperature	IS: 3025 (Part – 9)
56	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids (Filterable Residue)	IS: 3025 (Part – 16)
57	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	IS:3025(Part-21)
58	CHEMICAL- WATER	Drinking Water	Total Phosphorus (as P)	APHA 23rd Ed. 4500 P-E
59	CHEMICAL- WATER	Drinking Water	Total Suspended Solids (Non-Filterable Residue)	IS: 3025 (Part – 17)
60	CHEMICAL- WATER	Drinking Water	Volatile Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)
61	CHEMICAL- WATER	Ground Wateer	Sulphides (as S-2)	APHA 23rd Ed. 4500 – S-2
62	CHEMICAL- WATER	Ground Water	Acidity (as CaCO3)	IS: 3025 (Part - 22)
63	CHEMICAL- WATER	Ground Water	Alkalinity (as CaCO3)	IS: 3025 (Part –23)

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64	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen (as NH3-N)	APHA 23rd Ed. 4500 – NH3- C
65	CHEMICAL- WATER	Ground Water	Biochemical Oxygen Demand (27? C for 3- days)	IS: 3025 (Part –44)
66	CHEMICAL- WATER	Ground Water	Calcium (as Ca+2)	APHA 23rd Ed. 3500 Ca – B
67	CHEMICAL- WATER	Ground Water	Carbonate (as CO3-2) & Bicarbonate (as HCO3-)	IS: 3025 (Part –51)
68	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	APHA 23rd Ed. 5220 B
69	CHEMICAL- WATER	Ground Water	Chloride (as Cl-)	IS: 3025 (Part – 32)
70	CHEMICAL- WATER	Ground Water	Color	APHA 23rd Ed. 2120 B
71	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	IS: 3025 (Part – 38)
72	CHEMICAL- WATER	Ground Water	Electrical Conductivity	IS: 3025 (Part –14)
73	CHEMICAL- WATER	Ground Water	Fixed Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)
74	CHEMICAL- WATER	Ground Water	Iron (as Fe)	IS: 3025 (Part – 53)
75	CHEMICAL- WATER	Ground Water	Magnesium (as Mg+2)	APHA 23rdEd. 3500 Mg - B
76	CHEMICAL- WATER	Ground Water	Nitrite Nitrogen (as NO2--N)	APHA 23rd Ed. 4500 – NO2- -B
77	CHEMICAL- WATER	Ground Water	Oil & Grease	IS: 3025 (Part – 39)
78	CHEMICAL- WATER	Ground Water	pH Value	IS: 3025 (Part –11)
79	CHEMICAL- WATER	Ground Water	Temperature	IS: 3025 (Part –9)
80	CHEMICAL- WATER	Ground Water	Total Dissolved Solids (Filterable Residue)	IS: 3025 (Part – 16)
81	CHEMICAL- WATER	Ground Water	Total Hardness (as CaCO3)	IS: 3025 (Part – 21)
82	CHEMICAL- WATER	Ground Water	Total Phosphorus (as P)	APHA 23rd Ed. 4500 P-E
83	CHEMICAL- WATER	Ground Water	Total Suspended Solids (Non-Filterable Residue)	IS: 3025 (Part – 17)
84	CHEMICAL- WATER	Ground Water	Volatile Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)
85	CHEMICAL- WATER	Ground Watewr	Sulphates (as SO4-2)	APHA 23rd Ed.-4500- SO42- E
86	CHEMICAL- WATER	Industrial Water	Acidity (as CaCO3)	IS: 3025 (Part – 22)
87	CHEMICAL- WATER	Industrial Water	Alkalinity (as CaCO3)	IS: 3025 (Part – 23)
88	CHEMICAL- WATER	Industrial Water	Ammonical Nitrogen (as NH3-N)	APHA 23rd Ed. 4500 – NH3- C

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89	CHEMICAL- WATER	Industrial Water	Biochemical Oxygen Demand (27? C for 3- days)	IS: 3025 (Part – 44)
90	CHEMICAL- WATER	Industrial Water	Calcium (as Ca+2)	APHA 23rd Ed. 3500 Ca – B
91	CHEMICAL- WATER	Industrial Water	Carbonate (as CO3-2) & Bicarbonate (as HCO3-)	IS: 3025 (Part – 51)
92	CHEMICAL- WATER	Industrial Water	Chemical Oxygen Demand	APHA 23rd Ed. 5220 B
93	CHEMICAL- WATER	Industrial Water	Chloride (as Cl-)	IS: 3025 (Part – 32)
94	CHEMICAL- WATER	Industrial Water	Color	APHA 23rd Ed. 2120 B
95	CHEMICAL- WATER	Industrial Water	Dissolved Oxygen	IS: 3025 (Part – 38)
96	CHEMICAL- WATER	Industrial Water	Electrical Conductivity	IS: 3025 (Part – 14)
97	CHEMICAL- WATER	Industrial Water	Fixed Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)
98	CHEMICAL- WATER	Industrial Water	Iron (as Fe)	IS: 3025 (Part – 53)
99	CHEMICAL- WATER	Industrial Water	Magnesium (as Mg+2)	APHA 23rdEd. 3500 Mg - B
100	CHEMICAL- WATER	Industrial Water	Nitrite Nitrogen (as NO2--N)	APHA 23rd Ed. 4500 – NO2- -B
101	CHEMICAL- WATER	Industrial Water	Oil & Grease	IS: 3025 (Part – 39)
102	CHEMICAL- WATER	Industrial Water	pH Value	IS: 3025 (Part – 11)
103	CHEMICAL- WATER	Industrial Water	Sulphates (as SO4-2)	APHA 23rd Ed.-4500- SO42- E
104	CHEMICAL- WATER	Industrial Water	Sulphides (as S-2)	APHA 23rd Ed. 4500 – S-2
105	CHEMICAL- WATER	Industrial Water	Temperature	IS: 3025 (Part – 9)
106	CHEMICAL- WATER	Industrial Water	Total Dissolved Solids (Filterable Residue)	IS: 3025 (Part – 16)
107	CHEMICAL- WATER	Industrial Water	Total Hardness (as CaCO3)	IS:3025(Part-21)
108	CHEMICAL- WATER	Industrial Water	Total Phosphorus (as P)	APHA 23rd Ed. 4500 P-E
109	CHEMICAL- WATER	Industrial Water	Total Suspended Solids (Non-Filterable Residue)	IS: 3025 (Part – 17)
110	CHEMICAL- WATER	Industrial Water	Volatile Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)