National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : NISARG ENVIRO CONSULTANTS, LABORATORY DIVISION, 103, 401, NIRMAN HOUSE, AHMEDABAD, GUJARAT, 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	Nitrogen Dioxide as NO2	IS 5182 (Part 6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (size less than 10 µm) as PM 10	IS 5182 (Part 23)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide as SO2	IS 5182 (Part 2)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Ambient Noise Level Measurement	IS 9989
5	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage)	Residual Chlorine	APHA, 23rd Edition 2017/Iodometric Method-I 4500-Cl B
6	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage)	Total Kjeldahl Nitrogen as TKN	APHA, 23rd Edition 2017/Macro-Kjeldahl Method 4500-Norg –B
7	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage)	Nitrite	APHA, 23rd Edition 2017/Colorimetric Method 4500-NO2- B
8	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Ammonical Nitrogen as NH3-N	APHA, 23rd Edition, 4500 NH3- B, C
9	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Biochemical Oxygen Demand @ 27°C for 3 Days	IS 3025 (Part 44)
10	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Chemical Oxygen Demand	IS 3025 (Part 58)
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Chloride as Cl	APHA, 23rd Edition 2017/ 4500 Cl- B
12	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Dissolved Oxygen	APHA, 23rd Edition 2017/4500- B & C
13	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Electrical Conductivity @25° C	APHA, 23rd Edition 2017/2510- B
14	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Fluoride as F-	APHA, 23rd Edition 2017/4500- F - - B, D
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Hexavalent Chromium as Cr+6	APHA, 23rd Edition 2017/3500 Cr B
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Iron as Fe	APHA, 23rd Edition, 3500 Fe- B
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Oil & Grease	APHA, 23rd Edition, 5520 B

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18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	pH at 25 °C	APHA, 23rd Edition, 4500 H+ B
19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Potassium as K	APHA, 23rd Edition, 3500 K B
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Sodium as Na	APHA, 23rd Edition, 3500 Na -B
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Sulphate as SO4	APHA, 23rd Edition, 4500 SO4- -
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Temperature	APHA, 23rd Edition, 2550 B
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Total Dissolved Solids	APHA, 23rd Edition, 2540 C
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Total Solids	APHA, 23rd Edition, 2540 B
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Total Suspended Solids	APHA, 23rd Edition, 2540 D
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ (Effluent/Sewage)	Turbidity	APHA, 23rd Edition, 2130 B
27	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen as NH3-N	APHA, 23rd Edition 2017/Preliminary Distillation Step & Titrimetric Method 4500- NH3 B & C
28	CHEMICAL- WATER	Drinking Water	Calcium as Ca	APHA, 23rd Edition, 3500 Ca- B
29	CHEMICAL- WATER	Drinking Water	Calcium Hardness as CaCO3	APHA, 23rd Edition 2017/EDTA Titrimetric Method 3500-Ca-B
30	CHEMICAL- WATER	Drinking Water	Chloride as Cl	APHA, 23rd Edition, 4500 Cl- B
31	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen (DO)	APHA, 23rd Edition, 4500 B & C
32	CHEMICAL- WATER	Drinking Water	Electrical Conductivity at 25 °C	APHA, 23rd Edition 2017/Laboratory Method 2510-B
33	CHEMICAL- WATER	Drinking Water	Fluoride as F-	APHA, 23rd Edition 2017/Preliminary Distillation Step & SPADNS Method 4500-F B & D
34	CHEMICAL- WATER	Drinking Water	Hexavalent Chromium as Cr+6	APHA, 23rd Edition 2017/Colorimetric Method 3500-Cr B

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35	CHEMICAL- WATER	Drinking Water	Iron as Fe	APHA, 23rd Edition 2017/Phenanthroline Method 3500 B-Fe
36	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	APHA, 23rd Edition 2017/Calculation Method 3500 –Mg B
37	CHEMICAL- WATER	Drinking Water	Magnesium Hardness as CaCO3	APHA, 23rd Edition 2017/Calculation Method 3500 –Mg B
38	CHEMICAL- WATER	Drinking Water	Nitrite	APHA, 23rd Edition 2017/Colorimetric Method 4500-NO2- B
39	CHEMICAL- WATER	Drinking Water	pH at 25 °C	APHA, 23rd Edition 2017/Electrometric Method 4500-H+ B
40	CHEMICAL- WATER	Drinking Water	Potassium as K	APHA, 23rd Edition 2017/Flame Photometric Method 3500-K B
41	CHEMICAL- WATER	Drinking Water	Residual Chlorine	APHA, 23rd Edition 2017/Iodometric Method-I 4500-Cl B
42	CHEMICAL- WATER	Drinking Water	Sodium as Na	APHA, 23rd Edition 2017/Flame Emission Photometric Method 3500-Na B
43	CHEMICAL- WATER	Drinking Water	Sulphate as SO4	APHA, 23rd Edition 2017/Turbidimetric Method 4500-SO42-
44	CHEMICAL- WATER	Drinking Water	Temperature	APHA, 23rd Edition 2017/Laboratory and Field Method 2550-B
45	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	APHA, 23rd Edition 2017/Titration Method 2320-B
46	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	APHA, 23rd Edition 2017/ Total Dissolved Solids Dried at 180°C 2540-C
47	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	APHA, 23rd Edition 2017/EDTA Titrimetric Method 2340-C
48	CHEMICAL- WATER	Drinking Water	Total Kjeldahl Nitrogen as TKN	APHA, 23rd Edition 2017/Macro-Kjeldahl Method 4500-Norg –B

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49	CHEMICAL- WATER	Drinking Water	Total Solids	APHA, 23rd Edition 2017/ Total Solids Dried at 103-105°C 2540-B
50	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	APHA, 23rd Edition 2017/ Total Suspended Solids Dried at 103-105°C 2540-D
51	CHEMICAL- WATER	Drinking Water	Turbidity	APHA, 23rd Edition 2017/ Nephelometric Method 2130-B
52	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen as NH3-N	APHA, 23rd Edition 2017/Preliminary Distillation Step & Titrimetric Method 4500- NH3 B & C
53	CHEMICAL- WATER	Ground Water	Bio Chemical Oxygen Demand @ 27 0C for 3 Days	IS 3025 (Part 44)
54	CHEMICAL- WATER	Ground Water	Calcium as Ca	APHA, 23rd Edition 2017/EDTA Titrimetric Method 3500-Ca-B
55	CHEMICAL- WATER	Ground Water	Calcium Hardness as CaCO3	APHA, 23rd Edition 2017/EDTA Titrimetric Method 3500-Ca-B
56	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	IS 3025 (Part 58)
57	CHEMICAL- WATER	Ground Water	Chloride as Cl	APHA, 23rd Edition 2017/ Argentometric Method 4500-Cl-B
58	CHEMICAL- WATER	Ground Water	Dissolved Oxygen (DO)	APHA, 23rd Edition 2017/Azide Modification 4500-C
59	CHEMICAL- WATER	Ground Water	Electrical Conductivity	APHA, 23rd Edition 2017/Laboratory Method 2510-B
60	CHEMICAL- WATER	Ground Water	Fluoride	APHA, 23rd Edition 2017/Preliminary Distillation Step & SPADNS Method 4500-F B & D
61	CHEMICAL- WATER	Ground Water	Hexa valent Chromium as Cr+6	APHA, 23rd Edition 2017/Colorimetric Method 3500-Cr B
62	CHEMICAL- WATER	Ground Water	Iron as Fe	APHA, 23rd Edition 2017/Phenanthroline Method 3500 B-Fe
63	CHEMICAL- WATER	Ground Water	Magnesium as Mg	APHA, 23rd Edition 2017/Calculation Method 3500 –Mg B

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64	CHEMICAL- WATER	Ground Water	Magnesium Hardness as CaCO3	APHA, 23rd Edition 2017/Calculation Method 3500 –Mg B
65	CHEMICAL- WATER	Ground Water	Nitrite	APHA, 23rd Edition 2017/Colorimetric Method 4500-NO2- B
66	CHEMICAL- WATER	Ground Water	Oil & Grease	APHA, 23rd Edition 2017/Liquid-Liquid ,Partition-Gravimetric Method 5520 B
67	CHEMICAL- WATER	Ground Water	pH	APHA, 23rd Edition 2017/Electrometric Method 4500-H+ B
68	CHEMICAL- WATER	Ground Water	Potassium as K	APHA, 23rd Edition 2017/Flame Photometric Method 3500-K B
69	CHEMICAL- WATER	Ground Water	Residual Chlorine	APHA, 23rd Edition 2017/Iodometric Method-I 4500-Cl B
70	CHEMICAL- WATER	Ground Water	Sodium as Na	APHA, 23rd Edition 2017/Flame Emission Photometric Method 3500-Na B
71	CHEMICAL- WATER	Ground Water	Sulphate as SO4	APHA, 23rd Edition 2017/Turbidimetric Method 4500-SO42-
72	CHEMICAL- WATER	Ground Water	Temperature	APHA, 23rd Edition 2017/Laboratory and Field Method 2550-B
73	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO3	APHA, 23rd Edition 2017/Titration Method 2320-B
74	CHEMICAL- WATER	Ground Water	Total dissolved solids	APHA, 23rd Edition 2017/ Total Dissolved Solids Dried at 180°C 2540-C
75	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	APHA, 23rd Edition 2017/EDTA Titrimetric Method 2340-C
76	CHEMICAL- WATER	Ground Water	Total Kjeldahl Nitrogen as TKN	APHA, 23rd Edition 2017/Macro-Kjeldahl Method 4500-Norg –B
77	CHEMICAL- WATER	Ground Water	Total solids	APHA, 23rd Edition 2017/ Total Solids Dried at 103-105°C 2540-B

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78	CHEMICAL- WATER	Ground Water	Total Suspended solids	APHA, 23rd Edition 2017/ Total Suspended Solids Dried at 103-105°C 2540-D
79	CHEMICAL- WATER	Ground Water	Turbidity	APHA, 23rd Edition 2017/ Nephelometric Method 2130-B
80	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen as NH3-N	APHA, 23rd Edition 2017/Preliminary Distillation Step & Titrimetric Method 4500- NH3 B & C
81	CHEMICAL- WATER	Surface Water	Bio Chemical Oxygen Demand @ 27 °C for 3 Days	IS 3025 (Part 44)
82	CHEMICAL- WATER	Surface Water	Calcium as Ca	APHA, 23rd Edition 2017/EDTA Titrimetric Method 3500-Ca-B
83	CHEMICAL- WATER	Surface Water	Calcium Hardness as CaCO3	APHA, 23rd Edition 2017/EDTA Titrimetric Method 3500-Ca-B
84	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	IS 3025 (Part 58)
85	CHEMICAL- WATER	Surface Water	Chloride as Cl	APHA, 23rd Edition 2017/ Argentometric Method 4500-Cl-B
86	CHEMICAL- WATER	Surface Water	Dissolved Oxygen (DO)	APHA, 23rd Edition 2017/Azide Modification 4500-C
87	CHEMICAL- WATER	Surface Water	Electrical Conductivity	APHA, 23rd Edition 2017/Laboratory Method 2510-B
88	CHEMICAL- WATER	Surface Water	Fluoride	APHA, 23rd Edition 2017/Preliminary Distillation Step & SPADNS Method 4500-F B & D
89	CHEMICAL- WATER	Surface Water	Hexa valent Chromium as Cr+6	APHA, 23rd Edition 2017/Colorimetric Method 3500-Cr B
90	CHEMICAL- WATER	Surface Water	Iron as Fe	APHA, 23rd Edition 2017/Phenanthroline Method 3500 B-Fe
91	CHEMICAL- WATER	Surface Water	Magnesium as Mg	APHA, 23rd Edition 2017/Calculation Method 3500 –Mg B
92	CHEMICAL- WATER	Surface Water	Magnesium Hardness as CaCO3	APHA, 23rd Edition 2017/Calculation Method 3500 –Mg B

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93	CHEMICAL- WATER	Surface Water	Nitrite	APHA, 23rd Edition 2017/Colorimetric Method 4500-NO2- B
94	CHEMICAL- WATER	Surface Water	Oil & Grease	APHA, 23rd Edition 2017/Liquid-Liquid ,Partition-Gravimetric Method 5520 B
95	CHEMICAL- WATER	Surface Water	pH	APHA, 23rd Edition 2017/Electrometric Method 4500-H+ B
96	CHEMICAL- WATER	Surface Water	Potassium as K	APHA, 23rd Edition 2017/Flame Photometric Method 3500-K B
97	CHEMICAL- WATER	Surface Water	Residual Chlorine	APHA, 23rd Edition 2017/Iodometric Method-I 4500-Cl B
98	CHEMICAL- WATER	Surface Water	Sodium as Na	APHA, 23rd Edition 2017/Flame Emission Photometric Method 3500-Na B
99	CHEMICAL- WATER	Surface Water	Sulphate as SO4	APHA, 23rd Edition 2017/Turbidimetric Method 4500-SO42-
100	CHEMICAL- WATER	Surface Water	Temperature	APHA, 23rd Edition 2017/Laboratory and Field Method 2550-B
101	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO3	APHA, 23rd Edition 2017/Titration Method 2320-B
102	CHEMICAL- WATER	Surface Water	Total dissolved solids	APHA, 23rd Edition 2017/ Total Dissolved Solids Dried at 180°C 2540-C
103	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	APHA, 23rd Edition 2017/EDTA Titrimetric Method 2340-C
104	CHEMICAL- WATER	Surface Water	Total Kjeldahl Nitrogen as TKN	APHA, 23rd Edition 2017/Macro-Kjeldahl Method 4500-Norg –B
105	CHEMICAL- WATER	Surface Water	Total solids	APHA, 23rd Edition 2017/ Total Solids Dried at 103-105°C 2540-B
106	CHEMICAL- WATER	Surface Water	Total Suspended solids	APHA, 23rd Edition 2017/ Total Suspended Solids Dried at 103-105°C 2540-D
107	CHEMICAL- WATER	Surface Water	Turbidity	APHA, 23rd Edition 2017/ Nephelometric Method 2130-B