National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	PRIMA ENVIRONMENTAL MONITORING & ANALYTICAL LABORATORY, 103,104 SHREEMAD, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8941	**Page No**	1 of 6
Validity	29/07/2022 to 28/07/2024	**Last Amended on**	20/10/2022

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	Is 5182 (Part 25)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Chlorine Cl2	IS: 5182 (Part 19)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Hydrogen Sulfide H2S	IS: 5182 (Part VII)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide NO2	Is 5182 (Part 6)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone O3	IS 5182 (Part 9)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter - PM10	IS 5182 (Part 23)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter - PM2.5	IS 5182 (Part 24)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulfur Dioxide SO2	IS 5182 (Part 2)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Level (Excluding Vibration)	Ambient Noise Level	IS 9989
10	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Chlorine Cl2	PEMA/LAB/SOP/A-58 Issue No.: 01 Issue date: 23.07.2021
11	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Sulphur Dioxide SO2	IS: 11255 (Part 2)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen NOx	IS 11255 (Part 7)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS: 11255 (Part 1)
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide SO2	IS: 11255 (Part 2)
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ammonical Nitrogen as NH3-N	APHA (23rd Edition) 4500-NH3. B & C. (Distillation-Titrimetric Method)
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/sewage)	Biochemical Oxygen Demand (3 Days at 27 ° C)	IS 3025 (Part 44)
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Biochemical Oxygen Demand (5 Days at 20 ° C)	APHA (23rd Edition) 5210.B (Titrimetric)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Calcium as Ca	APHA (23rd Edition)3500-Ca. B (Complexometric)

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/sewage)	Chemical Oxygen Demand	APHA (23rd Edition) 5220.B (Open Reflux)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (effluents/Sewage)	Chloride as Cl-	APHA (23rd Edition 4500-Cl-. B (Argentometric)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Chlorine (Residual)	APHA 23rd Edition 4500 Cl B. (Iodometric Method)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Colour	APHA (23rd Edition) 2120.C (Spectrophotometric)
23	CHEMICAL- POLLUTION & ENVIRONMENT	waste water (Effluents/sewage)	Cyanide as CN	APHA (23rd Edition) 4500-CN.C & D (Distillation- Titrimetric Method)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Dissolved Oxygen	APHA (23rd Edition)4500 O & C (Azide Modification)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Electrical Conductivity	APHA (23rd Edition)2510. B (Electrochemical)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/sewage)	Fluoride as F	APHA (23rd Edition) 4500-F. D (SPADNS Method)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Iron as Fe	APHA 23 rd Edition 3500-B (Phenanthroline Method)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Magnesium as Mg	APHA (23rd Edition 3500 Mg.B (Calculation)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Nitrate as NO3	APHA 23 rd Edition 4500-NO3.B: (Spectrophotometric Screening)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Nitrite as NO2	APHA 23 rd Edition 4500-NO2.B: (Sulphanilamide Colorimetric method)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Oil and Grease	APHA (23rd Edition) 5520-B
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH	APHA (23 rd Edition) 4500-H+. B (Electrometer)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (effluents/Sewage)	Phenol	APHA (23rd Edition) 5530-B, D (Distillation -Photometric Method)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Sulfate as SO4	APHA 23rd Edition -4500-SO4-2. D (Gravimetric Method with Drying of Residue at (103-105) Deg. C)

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35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (effluents/sewage)	Sulphide as S	APHA (23rd Edition 4500-S F (Titrimetric – Iodometric Method))
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Total Dissolved Solids Dried at 180 C	APHA (23rd Edition 2540.C (Gravimetric)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Kjeldahl Nitrogen as N	APHA (23rd Edition)4500-N org.B & 4500-NH3. C (Macro Kjeldahl – Titrimetric Method)
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Total Phosphate PO4	APHA (23rd Edition) 4500-P. D (Stannous Chloride Method)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Total Solids Dried at 103-105 C	APHA (23rd Edition)2540 B (Gravimetric)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Suspended Solids 103-105 C	APHA (23rd Edition)2540.D (Gravimetric)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Total/Hexavalent Chromium as Cr+6	APHA (23 rd Edition) 3030 G & 3500-Cr+6.B: (Digestion & Colorimetric Method)
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Turbidity	APHA (23rd Edition 2130.B (Nephelometric))
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Volatile and Fixed Solids at 550 C	APHA (23rd Edition 2540 E (Gravimetric Method -Ignited at 550 C)
44	CHEMICAL- WATER	Drinking water	Acidity	APHA 23 rd Edition 2310 B (Titrimetric method)
45	CHEMICAL- WATER	Drinking water	Alkalinity as CaCO3	APHA 23 rd Edition 2320. B (Titrimetric)
46	CHEMICAL- WATER	Drinking water	Calcium as Ca	APHA 23 rd Edition 3500-Ca B (Complexometric)
47	CHEMICAL- WATER	Drinking Water	Chloride as Cl-	APHA 23 rd Edition 4500-Cl- B (Argentometric)
48	CHEMICAL- WATER	Drinking Water	Chlorine (Residual)	APHA 23 rd Edition 4500 Cl B. (Iodometric Method)
49	CHEMICAL- WATER	Drinking Water	Colour	APHA 23 rd Edition 2120.C (Spectrophotometric method)
50	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	APHA 23 rd Edition 4500-O C (Azide Modification)
51	CHEMICAL- WATER	Drinking water	Electrical conductivity	APHA 23 rd Edition 2510. B (Electrochemical)

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52	CHEMICAL- WATER	Drinking water	Fluoride as F	APHA 23 rd Edition 4500-F. D (SPADNS Method)
53	CHEMICAL- WATER	Drinking water	Hexavalent Chromium as Cr+6	APHA 23 rd Edition 3500-Cr+6.B (Colorimetric Method)
54	CHEMICAL- WATER	Drinking water	Iron as Fe	APHA 23 rd Edition 3500-B (Phenanthroline Method)
55	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	APHA 23 rd Edition 3500 Mg B (calculation method)
56	CHEMICAL- WATER	Drinking water	Nitrate as NO3	APHA 23 rd Edition 4500-NO3.B (Ultraviolet Spectrophotometric Screening Method)
57	CHEMICAL- WATER	Drinking water	Nitrite as NO2	APHA 23 rd Edition 4500-NO2.B (Sulphanilamide Colorimetric method)
58	CHEMICAL- WATER	Drinking Water	pH	APHA 23 rd Edition 4500-H+. B (Electrometer)
59	CHEMICAL- WATER	Drinking water	Phenolic Compound as C6H5OH	APHA 23 rd Edition 5530-B & D (Distillation -Photometric Method)
60	CHEMICAL- WATER	Drinking water	Silica as SiO2	APHA 23 rd Edition 4500-SiO2-C (Molybdosilicate Method)
61	CHEMICAL- WATER	Drinking water	Sulfate as SO42-	APHA 23 rd Edition 4500-SO4 E (Turbidimetric)
62	CHEMICAL- WATER	Drinking water	Total Dissolved Solids	APHA 23 rd Edition 2540.C (Gravimetric)
63	CHEMICAL- WATER	Drinking water	Total Hardness as CaCO3	APHA 23 rd Edition 2340. C (Complexometric)
64	CHEMICAL- WATER	Drinking Water	Turbidity	APHA 23 rd Edition 2130.B (Nephelometric)
65	CHEMICAL- WATER	Ground water	Acidity	APHA 23 rd Edition 2310 B (Titrimetric)
66	CHEMICAL- WATER	Ground water	Alkalinity as CaCO3	APHA 23 rd Edition 2320. B (Titrimetric)
67	CHEMICAL- WATER	Ground Water	Calcium as Ca	APHA 23 rd Edition 3500-Ca B (Complexometric)
68	CHEMICAL- WATER	Ground water	Chloride as Cl-	APHA 23 rd Edition 4500-Cl- B (Argentometric)
69	CHEMICAL- WATER	Ground water	Colour	APHA 23 rd Edition 2120.C (Spectrophotometric)

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70	CHEMICAL- WATER	Ground water	Dissolved Oxygen	APHA 23 rd Edition 4500-O C (Azide Modification)
71	CHEMICAL- WATER	Ground water	Electrical conductivity	APHA 23 rd Edition 2510. B (Electrochemical)
72	CHEMICAL- WATER	Ground water	Fluoride as F	APHA 23 rd Edition 4500-F. D (SPADNS Method)
73	CHEMICAL- WATER	Ground water	Hexavalent Chromium as Cr+6	APHA 23 rd Edition 3500-Cr+6.B (Colorimetric Method)
74	CHEMICAL- WATER	Ground water	Iron as Fe	APHA 23 rd Edition 3500-B (Phenanthroline Method)
75	CHEMICAL- WATER	Ground water	Magnesium as Mg	APHA 23 rd Edition 3500 Mg B (calculation method)
76	CHEMICAL- WATER	Ground water	Nitrate as NO3	APHA 23 rd Edition 4500-NO3.B (Ultraviolet Spectrophotometric Screening Method)
77	CHEMICAL- WATER	Ground water	pH	APHA 23 rd Edition 4500-H+. B (Electrometer)
78	CHEMICAL- WATER	Ground water	Silica as SiO2	APHA 23 rd Edition 4500-SiO2-C (Molybdosilicate Method)
79	CHEMICAL- WATER	Ground water	Sulfate as SO4	APHA 23 rd Edition 4500-SO4 E (Turbidimetric)
80	CHEMICAL- WATER	Ground water	Total Dissolved Solids	APHA 23 rd Edition 2540.C (Gravimetric)
81	CHEMICAL- WATER	Ground water	Total Hardness as CaCO3	APHA 23 rd Edition 2340. C (Complexometric)
82	CHEMICAL- WATER	Ground water	Turbidity	APHA 23 rd Edition 2130.B (Nephelometric)
83	CHEMICAL- WATER	Surface water	Acidity	APHA 23 rd Edition 2310 B (Titrimetric method)
84	CHEMICAL- WATER	Surface water	Alkalinity as CaCO3	APHA 23 rd Edition 2320. B (Titrimetric): 2017
85	CHEMICAL- WATER	Surface water	Calcium as Ca	APHA 23 rd Edition 3500-Ca B (Complexometric): 2017
86	CHEMICAL- WATER	Surface water	Chloride as	APHA 23 rd Edition 4500-Cl- B (Argentometric): 2017
87	CHEMICAL- WATER	Surface water	Colour	APHA 23 rd Edition 2120.C (Spectrophotometric method): 2017

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88	CHEMICAL- WATER	Surface water	Dissolved Oxygen	APHA 23 rd Edition 4500-O C (Azide Modification) : 2017
89	CHEMICAL- WATER	Surface water	Electrical conductivity	APHA 23 rd Edition 2510. B (Electrochemical): 2017
90	CHEMICAL- WATER	Surface water	Fluoride as F	APHA 23 rd Edition 4500-F. D (SPADNS Method): 2017
91	CHEMICAL- WATER	Surface water	Hexavalent Chromium as Cr+6	APHA 23 rd Edition 3500-Cr+6.B (Colorimetric Method): 2017
92	CHEMICAL- WATER	Surface water	Iron as Fe	APHA 23 rd Edition 3500-B (Phenanthroline Method) : 2017
93	CHEMICAL- WATER	Surface water	Magnesium as Mg	APHA (23rd Edition 3500 Mg.B (Calculation): 2017
94	CHEMICAL- WATER	Surface water	Nitrate as NO3	APHA 23 rd Edition 4500-NO3.B: (Ultraviolet Spectrophotometric Screening Method): 2017
95	CHEMICAL- WATER	Surface water	pH	APHA (23 rd Edition) 4500-H+. B (Electrometer): 2017
96	CHEMICAL- WATER	Surface water	Silica as SiO2	APHA 23 rd Edition 4500-SiO2-C (Molybdosilicate Method): 2017
97	CHEMICAL- WATER	Surface water	Sulfate as SO42-	APHA 23 rd Edition 4500-SO4 E (Turbidimetric): 2017
98	CHEMICAL- WATER	Surface water	Total Dissolved Solids	APHA 23 rd Edition 2540.C (Gravimetric): 2017
99	CHEMICAL- WATER	Surface water	Total Hardness as CaCO3	APHA 23 rd Edition 2340. C (Complexometric): 2017
100	CHEMICAL- WATER	Surface water	Turbidity	APHA (23rd Edition 2130.B (Nephelometric)): 2017