National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PENTASAFE ENVIRONMENT SOLUTIONS (LABORATORY DIVISION), 503, NORTHVIEW, UNIVERSITY ROAD, NAVRANGPURA, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11483 **Page No** 1 of 4

Validity 22/03/2023 to 21/03/2025 **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 (NO2)	IS 5182 (Part 6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM 10)	IS 5182 (Part 23)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM 2.5)	IS 5182 (Part 24)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO2)	IS 5182 (Part 2)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Noise Level dB(A) Leq.	IS 9989
6	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas Stack	Oxides of Nitrogen (NOx)	IS 11255 (Part 7)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas Stack	Particulate Matter	IS 11255 (Part 1)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Flue Gas Stack	Sulphur Dioxide (SO2)	IS 11255 (Part 2)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise	Noise Level dB(A)	IS 4758
10	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Sludge	Moisture	IS 9235
11	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Sludge	Non-Volatile Matter	IS 10158
12	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Sludge	pH Value	IS 10158
13	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Sludge	Volatile Matter	IS 10158
14	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Ammonical Nitrogen	IS 3025 (Part 34)
15	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Bio-Chemical Oxygen Demand (3 days @ 27 °C)	IS 3025 (Part 44)
16	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Chemical Oxygen Demand	IS 3025 (Part 58)
17	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Chloride	APHA 23rd Edition 4500 Cl-B
18	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Conductivity	APHA 23rd Edition 2510-B

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19	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Dissolved Oxygen	IS 3025 (Part 38)
20	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Fluoride	IS 3025 (Part 60)
21	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Iron	IS 3025 (Part 53)
22	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Oil & Grease	IS 3025 (Part 39)
23	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	pH value	IS 3025 (Part 11)
24	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Potassium	IS 3025 (Part 45)
25	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Sodium	IS 3025 (Part 45)
26	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Sulphate	IS 3025 (Part 24)
27	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Temperature	APHA 23nd Edition 2550-B
28	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Total Dissolve Solids	APHA 23rd Edition 2540-C
29	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Total Solids	APHA 23rd Edition 2540-B
30	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Total Suspended Solids	APHA 23rd Edition 2540-D
31	CHEMICAL- POLLUTION & ENVIRONMENT	ETP / STP Water	Turbidity	IS 3025 (Part 10)
32	CHEMICAL- WATER	Borewell Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
33	CHEMICAL- WATER	Borewell Water	Calcium as Ca	IS 3025 (Part 40)
34	CHEMICAL- WATER	Borewell Water	Calcium Hardness as CaCO3	IS 3025 (Part 40)
35	CHEMICAL- WATER	Borewell Water	Chloride	IS 3025 (Part 32)
36	CHEMICAL- WATER	Borewell Water	Conductivity	APHA 23rd Edition 2510-B
37	CHEMICAL- WATER	Borewell Water	Fluoride	IS 3025 (Part 60)
38	CHEMICAL- WATER	Borewell Water	Iron	IS 3025 (Part 53)
39	CHEMICAL- WATER	Borewell Water	Magnesium as Mg	IS 3025 (Part 46)
40	CHEMICAL- WATER	Borewell Water	Magnesium Hardness as CaCO3	IS 3025 (Part 46)

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41	CHEMICAL- WATER	Borewell Water	pH Value	IS 3025 (Part 11)
42	CHEMICAL- WATER	Borewell Water	Potassium	IS 3025 (Part 45)
43	CHEMICAL- WATER	Borewell Water	Sodium	IS 3025 (Part 45)
44	CHEMICAL- WATER	Borewell Water	Sulphate	IS 3025 (Part 24/Section 2)
45	CHEMICAL- WATER	Borewell Water	Temperature	APHA 23rd Edition 2550-B
46	CHEMICAL- WATER	Borewell Water	Total Dissolve Solids	APHA 23rd Edition 2540-C
47	CHEMICAL- WATER	Borewell Water	Total Hardness as CaCO3	IS 3025 (Part 21)
48	CHEMICAL- WATER	Borewell Water	Total Solids	APHA 23rd Edition 2540-B
49	CHEMICAL- WATER	Borewell Water	Total Suspended Solids	APHA 23rd Edition 2540-D
50	CHEMICAL- WATER	Borewell Water	Turbidity	IS 3025 (Part 10)
51	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS 3025 (Part 40)
52	CHEMICAL- WATER	Drinking Water	Calcium Hardness as CaCO3	IS 3025 (Part 40)
53	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025 (Part 32)
54	CHEMICAL- WATER	Drinking Water	Conductivity	APHA 23rd Edition 2510-B
55	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	IS 3025 (Part 38)
56	CHEMICAL- WATER	Drinking Water	Fluoride	IS 3025 (Part 60)
57	CHEMICAL- WATER	Drinking Water	Iron	IS 3025 (Part 53)
58	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	IS 3025 (Part 46)
59	CHEMICAL- WATER	Drinking Water	Magnesium Hardness as CaCO3	IS 3025 (Part 46)
60	CHEMICAL- WATER	Drinking Water	pH Value	IS 3025 (Part 11)
61	CHEMICAL- WATER	Drinking Water	Potassium	APHA 23rd Edition 2540-D
62	CHEMICAL- WATER	Drinking Water	Sodium	IS 3025 (Part 45)
63	CHEMICAL- WATER	Drinking Water	Sulphate	IS 3025 (Part 24/Section 2)
64	CHEMICAL- WATER	Drinking Water	Temperature	APHA 23nd Edition 2550-B
65	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
66	CHEMICAL- WATER	Drinking Water	Total Dissolve Solids	APHA 23rd Edition 2540-C
67	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	IS 3025 (Part 21)
68	CHEMICAL- WATER	Drinking Water	Total Solids	APHA 23rd Edition 2540-B
69	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	APHA 23rd Edition 2540-D
70	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)

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71	CHEMICAL- WATER	Pond & Lake Water	Calcium as Ca	IS 3025 (Part 40)
72	CHEMICAL- WATER	Pond & Lake Water	Calcium Hardness as CaCO3	IS 3025 (Part 40)
73	CHEMICAL- WATER	Pond & Lake Water	Chloride	IS 3025 (Part 32)
74	CHEMICAL- WATER	Pond & Lake Water	Conductivity	APHA 23rd Edition 2510-B
75	CHEMICAL- WATER	Pond & Lake Water	Dissolved Oxygen	IS 3025 (Part 38)
76	CHEMICAL- WATER	Pond & Lake Water	Fluoride	IS 3025 (Part 60)
77	CHEMICAL- WATER	Pond & Lake Water	Iron	IS 3025 (Part 53)
78	CHEMICAL- WATER	Pond & Lake Water	Magnesium as Mg	IS 3025 (Part 46)
79	CHEMICAL- WATER	Pond & Lake Water	Magnesium Hardness as CaCO3	IS 3025 (Part 46)
80	CHEMICAL- WATER	Pond & Lake Water	pH Value	IS 3025 (Part 11)
81	CHEMICAL- WATER	Pond & Lake Water	Potassium	IS 3025 (Part 45)
82	CHEMICAL- WATER	Pond & Lake Water	Sodium	IS 3025 (Part 45)
83	CHEMICAL- WATER	Pond & Lake Water	Sulphate	IS 3025 (Part 24/Section 2)
84	CHEMICAL- WATER	Pond & Lake Water	Temperature	APHA 23nd Edition 2550-B
85	CHEMICAL- WATER	Pond & Lake Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
86	CHEMICAL- WATER	Pond & Lake Water	Total Dissolve Solids	APHA 23rd Edition 2540-C
87	CHEMICAL- WATER	Pond & Lake Water	Total Hardness as CaCO3	IS 3025 (Part 21)
88	CHEMICAL- WATER	Pond & Lake Water	Total Solids	APHA 23rd Edition 2540-B
89	CHEMICAL- WATER	Pond & Lake Water	Turbidity	IS 3025 (Part 10)