National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : AWH LABORATORY, SHED NO. 13, PUSHPAK INDUSTRIAL ESTATE, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 12/11/2022 to 11/11/2024 **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	Nitrogen Oxide (NO2)	IS 5182 (Part 6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (size less than 10 µm as PM10)	IS 5182 (Part 23)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (size less than 2.5 µm as PM2.5)	IS 5182 (Part 24)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO2)	IS 5182 (Part 2)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Nitrogen Oxide (NOx)	IS 11255 (Part 7)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particular Matter (PM)	IS 11255 (Part 1)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur dioxide (SO2)	IS 11255 (Part 2)
8	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Ammoniacal Nitrogen	IS 3025 (Part 34)
9	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Oil and Grease	IS 3025 (Part 39)
10	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Sulphate	IS 3025 (Part 24)
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Total Suspended Solids	IS 3025 (Part 17)
12	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Ammoniacal Nitrogen	APHA 23rd Edition 4500 NH3-B&C
13	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	BOD at 27°C for 3 days	IS 3025 (Part 44)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Calcium (Ca)	APHA 23rd Edition 3500 –Ca B
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Calcium Hardness	APHA 23rd Edition 3500 –Ca B: 2015
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Chemical Oxygen Demand	APHA 23rd Edition 5220 - B
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Chemical Oxygen Demand	IS 3025 (Part 58)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Chloride	APHA 23rd Edition 4500 –Cl^-. B

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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
19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Chloride	IS 3025 (Part 32)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Copper	APHA 23rd Edition-3500-Cu B
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Dissolved Oxygen	APHA 23rd Edition 4500 –O
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Dissolved Oxygen	IS 3025 (Part 38)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Fluoride	APHA 23rd Edition 4500-F- D
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Hexavalent Chromium	IS 3025 (Part 52)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Iron	APHA 23rd Edition 3500-Fe- B
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Magnesium as Mg	APHA 23rd Edition 3500 –Mg B
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Magnesium Hardness	APHA 23rd Edition 3500 –Mg B
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Nitrate	IS 3025 (Part 34)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Nitrite	APHA 23rd Edition 4500-NO2- B
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Oil and Grease	APHA 23rd Edition 5520 –B
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	pH	APHA 23rd Edition 4500 H+
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	pH at 25 degree centigrade	IS 3025 (Part 11)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Phenol	APHA 23rd Edition 5530 D
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Phenol	IS 3025 (Part 43)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Phosphorus	IS 3025 (Part 31)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Potassium (K)	IS 3025 (Part 45)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Residual Chlorine	APHA 23rd Edition 4500 –Cl. B

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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
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Residual Chlorine	IS 3025 (Part 26)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Sodium (Na)	IS 3025 (Part 45)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Sulphate	APHA 23rd Edition 4500 SO42–E
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Sulphide	APHA 23rd Edition 4500-S2- F
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Temperature	IS 3025 (Part 09)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Total Chromium	IS 3025 (Part 52)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Total Dissolved Solids	APHA 23rd Edition 2540 C
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Total Dissolved Solids	IS 3025 (Part 16)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Total Hardness	APHA 23rd Edition 2340 –C
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Total Hardness as CaCO3	IS 3025 (Part 21)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Total Solids	APHA 23rd Edition 2540 –B
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Total Solids	IS 3025 (Part 15)
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Total Suspended Solids	APHA 23rd Edition 2540-D
51	CHEMICAL- WATER	Ground water	Acidity	IS 3025 (Part 22)
52	CHEMICAL- WATER	Ground water	Acidity	APHA 23rd Edition 2310 B
53	CHEMICAL- WATER	Ground water	Ammoniacal Nitrogen	APHA 23rd Edition 4500 NH3-B&C
54	CHEMICAL- WATER	Ground water	Ammoniacal Nitrogen	APHA 23rd Edition 4500 NH3-B&C
55	CHEMICAL- WATER	Ground water	Ammoniacal Nitrogen	IS 3025 (Part 34)
56	CHEMICAL- WATER	Ground water	BOD at 27°C for 3 days	IS 3025 (Part 44)
57	CHEMICAL- WATER	Ground water	Calcium	APHA 23rd Edition 3500 –Ca B
58	CHEMICAL- WATER	Ground water	Calcium Hardness as CaCO3	APHA 23rd Edition 3500 –Ca B

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59	CHEMICAL- WATER	Ground water	Chemical Oxygen Demand	APHA 23rd Edition 5220 - B
60	CHEMICAL- WATER	Ground water	Chemical Oxygen Demand	IS 3025 (Part 58)
61	CHEMICAL- WATER	Ground water	Chloride	APHA 23rd Edition 4500 –Cl^-. B
62	CHEMICAL- WATER	Ground water	Chloride	IS 3025 (Part 32)
63	CHEMICAL- WATER	Ground Water	Conductivity	APHA 23rd Edition 2510-B
64	CHEMICAL- WATER	Ground water	Conductivity	IS 3025 (Part 14)
65	CHEMICAL- WATER	Ground water	Copper	APHA 23rd Edition-3500-Cu B
66	CHEMICAL- WATER	Ground water	Dissolved Oxygen	APHA 23rd Edition 4500 –O
67	CHEMICAL- WATER	Ground water	Dissolved Oxygen	IS 3025 (Part 38)
68	CHEMICAL- WATER	Ground water	Fluoride	APHA 23rd Edition 4500-F- D
69	CHEMICAL- WATER	Ground water	Free CO_2	APHA 23rd Edition 4500-CO_2 - C
70	CHEMICAL- WATER	Ground water	Hexavalent Chromium	IS 3025 (Part 52)
71	CHEMICAL- WATER	Ground water	Iron	IS 3025 (Part 53)
72	CHEMICAL- WATER	Ground water	Magnesium	APHA 23rd Edition 3500 –Mg B
73	CHEMICAL- WATER	Ground water	Magnesium Hardness	APHA 23rd Edition 3500 –Mg B: 2017
74	CHEMICAL- WATER	Ground water	Nitrate	IS 3025 (Part 34)
75	CHEMICAL- WATER	Ground water	Nitrite	APHA 23rd Edition 4500-NO_2- B
76	CHEMICAL- WATER	Ground water	Oil and Grease	APHA 23rd Edition 5520 –B
77	CHEMICAL- WATER	Ground water	Oil and Grease	IS 3025 (Part 26)
78	CHEMICAL- WATER	Ground water	pH	APHA 23rd Edition 4500 H+
79	CHEMICAL- WATER	Ground water	pH at 25 °C	IS 3025 (Part 11)
80	CHEMICAL- WATER	Ground water	Phenol	APHA 23rd Edition 5530 D
81	CHEMICAL- WATER	Ground water	Phenol	IS 3025 (Part 43)
82	CHEMICAL- WATER	Ground water	Phosphrous	IS 3025 (Part 31)
83	CHEMICAL- WATER	Ground water	Potassium (K)	IS 3025 (Part 45)
84	CHEMICAL- WATER	Ground water	Residual Chlorine	APHA 23rd Edition 4500 –Cl^-. B
85	CHEMICAL- WATER	Ground water	Residual Chlorine	IS 3025 (Part 26)
86	CHEMICAL- WATER	Ground water	Sodium (Na)	IS 3025 (Part 45)
87	CHEMICAL- WATER	Ground water	Sulphate	APHA 23rd Edition 4500 SO_4^{2-}–E

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88	CHEMICAL- WATER	Ground water	Sulphate	IS 3025 (Part 24)
89	CHEMICAL- WATER	Ground water	Sulphide	APHA 23rd Edition 4500-S2- F
90	CHEMICAL- WATER	Ground water	Temperature	IS 3025 (Part 09)
91	CHEMICAL- WATER	Ground water	Total Alkalinity	APHA 23rd Edition 2320 B
92	CHEMICAL- WATER	Ground water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
93	CHEMICAL- WATER	Ground water	Total Chromium	IS 3025 (Part 52)
94	CHEMICAL- WATER	Ground water	Total Dissolved Solids	APHA 23rd Edition 2540 C
95	CHEMICAL- WATER	Ground water	Total Dissolved Solids	IS 3025 (Part 16)
96	CHEMICAL- WATER	Ground water	Total Hardness	APHA 23rd Edition 2340 –C
97	CHEMICAL- WATER	Ground water	Total Hardness as CaCO3	IS 3025 (Part 21)
98	CHEMICAL- WATER	Ground water	Total Solids	IS 3025 (Part 15)
99	CHEMICAL- WATER	Ground water	Total Solids	APHA 23rd Edition 2540 –B
100	CHEMICAL- WATER	Ground water	Total Suspended Solids	APHA 23rd Edition 2540-D
101	CHEMICAL- WATER	Ground water	Total Suspended Solids	IS 3025 (Part 17)
102	CHEMICAL- WATER	Ground water	Turbidity	APHA 23rd Edition 2130-B
103	CHEMICAL- WATER	Ground water	Turbidity	IS 3025 (Part 10)
104	CHEMICAL- WATER	Surface water	Acidity	IS 3025 (Part 22)
105	CHEMICAL- WATER	Surface water	Acidity	APHA 23rd Edition 2310 B
106	CHEMICAL- WATER	Surface water	Ammoniacal Nitrogen	APHA 23rd Edition 4500 NH3-B&C
107	CHEMICAL- WATER	Surface water	Ammoniacal Nitrogen	IS 3025 (Part 34)
108	CHEMICAL- WATER	Surface water	BOD at 27°C for 3 days	IS 3025 (Part 44)
109	CHEMICAL- WATER	Surface water	Calcium	APHA 23rd Edition 3500 –Ca B: 2017
110	CHEMICAL- WATER	Surface water	Calcium Hardness	APHA 23rd Edition 3500 –Ca B: 2015
111	CHEMICAL- WATER	Surface water	Chemical Oxygen Demand	APHA 23rd Edition 5220 - B
112	CHEMICAL- WATER	Surface water	Chemical Oxygen Demand	IS 3025 (Part 58)
113	CHEMICAL- WATER	Surface water	Chloride	APHA 23rd Edition 4500 –Cl^-. B
114	CHEMICAL- WATER	Surface water	Chloride	IS 3025 (Part 32)
115	CHEMICAL- WATER	Surface Water	Conductivity	APHA 23rd Edition 2510-B
116	CHEMICAL- WATER	Surface water	Conductivity	IS 3025 (Part 14)

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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
117	CHEMICAL- WATER	Surface Water	Copper	APHA 23rd Edition-3500-Cu
118	CHEMICAL- WATER	Surface water	Dissolved Oxygen	APHA 23rd Edition 4500 –O
119	CHEMICAL- WATER	Surface water	Dissolved Oxygen	IS 3025 (Part 38)
120	CHEMICAL- WATER	Surface Water	Fluoride	APHA 23rd Edition 4500-F- D
121	CHEMICAL- WATER	Surface Water	Free CO2	APHA 23rd Edition 4500-CO2 - C
122	CHEMICAL- WATER	Surface water	Hexavalent Chromium	IS 3025 (Part 52)
123	CHEMICAL- WATER	Surface Water	Iron	IS 3025 (Part 53)
124	CHEMICAL- WATER	Surface water	Magnesium	APHA 23rd Edition 3500 –Mg B: 2017
125	CHEMICAL- WATER	Surface water	Magnesium Hardness	APHA 23rd Edition 3500 –Mg B: 2017
126	CHEMICAL- WATER	Surface water	Nitrate	IS 3025 (Part 34)
127	CHEMICAL- WATER	Surface Water	Nitrite	APHA 23rd Edition 4500-NO2- B
128	CHEMICAL- WATER	Surface water	Oil and Grease	APHA 23rd Edition 5520 –B
129	CHEMICAL- WATER	Surface water	Oil and Grease	IS 3025 (Part 39)
130	CHEMICAL- WATER	Surface water	pH	APHA 23rd Edition 4500 H+
131	CHEMICAL- WATER	Surface water	pH	IS 3025 (Part 11)
132	CHEMICAL- WATER	Surface Water	Phenol	APHA 23rd Edition 5530 D
133	CHEMICAL- WATER	Surface Water	Phenol	IS 3025 (Part 43)
134	CHEMICAL- WATER	Surface Water	Phosphorus	IS 3025 (Part 31)
135	CHEMICAL- WATER	Surface Water	Potassium	IS 3025 (Part 45)
136	CHEMICAL- WATER	Surface water	Residual Chlorine	APHA 23rd Edition 4500 –Cl^-. B
137	CHEMICAL- WATER	Surface Water	Sodium	IS 3025 (Part 45)
138	CHEMICAL- WATER	Surface water	Sulphate	APHA 23rd Edition 4500 SO42–E
139	CHEMICAL- WATER	Surface water	Sulphate	IS 3025 (Part 24)
140	CHEMICAL- WATER	Surface Water	Sulphide	APHA 23rd Edition 4500-S2- F
141	CHEMICAL- WATER	Surface water	Temperature	IS 3025 (Part 09)
142	CHEMICAL- WATER	Surface water	Total Alkalinity	APHA 23rd Edition 2320 B
143	CHEMICAL- WATER	Surface water	Total Alkalinity	IS 3025 (Part 23)
144	CHEMICAL- WATER	Surface Water	Total Chromium	IS 3025 (Part 52)

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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
145	CHEMICAL- WATER	Surface water	Total Dissolved Solids	APHA 23rd Edition 2540 C
146	CHEMICAL- WATER	Surface water	Total Dissolved Solids	IS 3025 (Part 16)
147	CHEMICAL- WATER	Surface water	Total Hardness	APHA 23rd Edition 2340 –C
148	CHEMICAL- WATER	Surface water	Total Hardness	IS 3025 (Part 21)
149	CHEMICAL- WATER	Surface water	Total Solids	APHA 23rd Edition 2540 –B
150	CHEMICAL- WATER	Surface water	Total Solids	IS 3025 (Part 15)
151	CHEMICAL- WATER	Surface water	Total Suspended Solids	APHA 23rd Edition 2540-D
152	CHEMICAL- WATER	Surface water	Total Suspended Solids	IS 3025 (Part 17)
153	CHEMICAL- WATER	Surface water	Turbidity	APHA 23rd Edition 2130-B
154	CHEMICAL- WATER	Surface water	Turbidity	IS 3025 (Part 10)

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Site Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Oxide (NO2)	IS 5182 (Part 6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (size less than 10 µm as PM10)	IS 5182 (Part 23)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (size less than 2.5 µm as PM2.5)	IS 5182 (Part 24)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO2)	IS 5182 (Part 2)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Noise with respect to community response	IS 9989
6	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Nitrogen Oxide (NOx)	IS 11255 (Part 7)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particular Matter (PM)	IS 11255 (Part 1)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur dioxide (SO2)	IS 11255 (Part 2)
9	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Dissolved Oxygen	APHA 23rd Edition 4500 –O
10	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Dissolved Oxygen	IS 3025 (Part 38)
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	pH	APHA 23rd Edition 4500 H+
12	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Industrial effluent /Sewage)	Temperature	IS 3025 (Part 09)
13	CHEMICAL- WATER	Ground water	Dissolved Oxygen	APHA 23rd Edition 4500 –O
14	CHEMICAL- WATER	Ground water	pH	APHA 23rd Edition 4500 H+
15	CHEMICAL- WATER	Ground water	pH at 25 °C	IS 3025 (Part 11)
16	CHEMICAL- WATER	Surface water	Dissolved Oxygen	APHA 23rd Edition 4500 –O