National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7768 **Page No** 1 of 18

Validity 09/12/2022 to 08/12/2024 **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	Copper as Cu	Standard Operating Procedure for Ambient Air Analysis CGE/SOP-A/Cu/21, Issue No. 2 Dated 01/04/2022
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Iron as Fe	Standard Operating Procedure for Ambient Air Analysis CGE/SOP-A/Fe/22, Issue No. 2 Dated 01/04/2022
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Manganese as Mn	Standard Operating Procedure for Ambient Air Analysis CGE/SOP-A/Mn/24,Issue No. 2 Dated 01/04/2022
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Tin as Sn	Standard Operating Procedure for Ambient Air Analysis CGE/SOP-A/Sn/26, Issue No. 2 Dated 01/04/2022
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Aluminum as Al	Standard Operating Procedure for Ambient Air Analysis CGE/SOP-A/Al/17,Issue No. 2 Dated 01/04/2022
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	IS 5182 (Part 25) 2018
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Asbestos Fiber	IS 11450:2006
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Asbestos	IS 11450:2006
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Cadmium as Cd	Standard Operating Procedure for Ambient Air Analysis CGE/SOP-A/Cd/18, Issue No. 2 Dated 01/04/2022
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Chlorine	IS 5182 (Part 19) 2022
11	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Chromium as Cr	Standard Operating Procedure for Ambient Air Analysis CGE/SOP-A/Cr/19, Issue No. 2 Dated 01/04/2022
12	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Cobalt as Co	Standard Operating Procedure for Ambient Air Analysis CGE/SOP-A/Co/20, Issue No. 2 Dated 01/04/2022

SCOPE OF ACCREDITATION

Laboratory Name : CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7768 **Page No** 2 of 18

Validity 09/12/2022 to 08/12/2024 **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
13	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead as Pb	IS 5182 (Part 22) 2004/RA 2019
14	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel as Ni	IS: 5182(Part 26): 2020
15	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide as NO2	IS 5182 (Part 6) 2006/RA 2017
16	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (size less than 10 µm) as PM10	IS 5182 (Part 23) 2006/RA 2017
17	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (size less than 2.5 µm) as PM 2.5	IS 5182 (Part 24) 2019
18	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide as SO2	IS 5182 (Part 2) 2001/RA 2017
19	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Zinc as Zn	Standard Operating Procedure for Ambient Air Analysis CGE/SOP-A/Zn/27, Issue No. 2 Dated 01/04/2022
20	CHEMICAL- ATMOSPHERIC POLLUTION	Noise	Ambient Noise	IS 9989-1981/RA 2020
21	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Ammonia as NH3	IS 11255 (Part 06):RA2019
22	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen as NOx	IS 11255 (Part 07):2005/RA 2017
23	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide as SO2	IS 11255 (Part 02):1985/RA 2019
24	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter as PM	IS 11255 (Part 01):1985/RA 2019
25	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Chloride as Cl-	Methods Manual by Department of Agriculture & Cooperation, January-2011
26	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Magnesium as Mg	IS: 5949:1990 / RA 2003
27	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Phosphorus as P	Methods Manual by Department of Agriculture & Cooperation, January-2011
28	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Bulk Density	IS: 2720 (Part 29):1975/ RA 2020
29	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Cation Exchange Capacity	IS:2720 (Part 24):1976/ RA 2020

SCOPE OF ACCREDITATION

Laboratory Name : CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7768 **Page No** 3 of 18

Validity 09/12/2022 to 08/12/2024 **Last Amended on** -

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30	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Electrical Conductivity @° C	IS: 14767:2000 / RA 2021
31	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Carbon	IS 2720 (Part 22) 1972/RA 2020
32	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic matter	IS 2720 (Part 22) 1972/RA 2020
33	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Nitrogen as N	IS: 14684:1999/RA 2019
34	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Soluble Sulphates	IS :2720 (Part-27)1976/ RA 2020
35	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Water Content/Moisture	IS 2720 (Part 2) 1973/RA 2020
36	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Water Holding Capacity	Methods Manual by Department of Agriculture & Cooperation, January-2011
37	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Aluminum as Al	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
38	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Calcium as Ca	IS: 5949:1990 / RA 2003
39	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Cadmium as Cd	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)is CGE/SOP-S/Cd/26, Issue No. 1 Dated 01/08/2019
40	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Chromium as Cr	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Cobalt as Co	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)is CGE/SOP-S/Co/28,Issue No. 1 Dated 01/08/2019
42	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Copper as Cu	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)is CGE/SOP-S/Cu,Issue No. 1 Dated 01/08/2019
43	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Iron as Fe	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)

SCOPE OF ACCREDITATION

Laboratory Name : CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7768 **Page No** 4 of 18

Validity 09/12/2022 to 08/12/2024 **Last Amended on** -

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44	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Lead as Pb	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Manganese as Mn	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Nickel as Ni	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
47	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH	IS 2720 (Part 26) 1987/RA 2021
48	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Pore Space	SOP for Soil Analysis CGE/SOP-S/PS/08,Issue No. 2 Dated 01/04/2022
49	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Potassium as K	IS 9497:1980/RA 2020
50	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Sodium as Na	IS 9497:1980/RA 2020
51	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Tin as Sn	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Zinc as Zn	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Aluminum as Al	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Asbestos	SOP for Waste (Sludge/Solid) Analysis CGE/SOP-SOW/ A/28, Issue No. 2, Dated 01/04/2022
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Cadmium as Cd	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Chromium as Cr	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Cobalt as Co	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)

SCOPE OF ACCREDITATION

Laboratory Name : CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7768 **Page No** 5 of 18

Validity 09/12/2022 to 08/12/2024 **Last Amended on** -

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58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Copper as Cu	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Electrical Conductivity @° C	Method 9050A: Revision 01
60	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Iron as Fe	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
61	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Lead as Pb	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
62	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Manganese as Mn	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
63	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Moisture	IS 9235:1979/RA 2019
64	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Nickel as Ni	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
65	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Non-Volatile Substance or % Solid	IS 10158:1982/RA 2019
66	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	pH	IS 10158:1982/RA 2019
67	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Sodium as Na	SOP for Waste (Sludge/Solid) Analysis CGE/SOP-SOW/Na/25, Issue No. 2, Dated 01/04/2022
68	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Tin as Sn	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
69	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Total Nitrogen	IS 10158:1982/RA 2019
70	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Zinc as Zn	EPA 3050 B (December 1996, Revision 02) & EPA 7000 B (February 2007, Revision 02)
71	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Volatile Substance or Loss of Ignition	IS 10158:1982/RA 2019
72	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Asbestos	SOP for Waste (Sludge/Solid) Analysis CGE/SOP-SOW/ A/28, Issue No. 2, Dated 01/04/2022

SCOPE OF ACCREDITATION

Laboratory Name : CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7768 **Page No** 6 of 18

Validity 09/12/2022 to 08/12/2024 **Last Amended on** -

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73	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Potassium as K	IS 10158:1982/RA2019
74	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphate	APHA, 23rd Edition 2017/Stannous Chloride Method 4500-P, D
75	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Temperature	APHA, 23rd Edition 2017/Laboratory and Field Method 2550-B
76	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammonical Nitrogen as NH3-N	APHA, 23rd Edition 2017/Preliminary Distillation Step & Titrimetric Method 4500- NH3 B & C
77	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Bio Chemical Oxygen Demand @ 27 °C for 3 Days	IS 3025 (Part 44):1993/RA2019
78	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Cadmium as Cd	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Cd
79	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	IS 3025 (Part 58):2006/RA2017
80	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride as Cl	APHA, 23rd Edition 2017/ Argentometric Method 4500-Cl-B
81	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chromium as Cr	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Cr
82	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Cobalt as Co	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Co
83	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Color	APHA, 23rd Edition 2017/ Visual Comparison 2120 B
84	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Copper as Cu	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Cu
85	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen (DO)	APHA, 23rd Edition 2017/Azide Modification 4500-C
86	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Electrical Conductivity	APHA, 23rd Edition 2017/Laboratory Method 2510-B

SCOPE OF ACCREDITATION

Laboratory Name : CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7768 **Page No** 7 of 18

Validity 09/12/2022 to 08/12/2024 **Last Amended on** -

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87	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluoride	APHA, 23rd Edition 2017/Preliminary Distillation Step & SPADNS Method 4500-F B & D
88	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Hexa valent Chromium as Cr+6	APHA, 23rd Edition 2017/Colorimetric Method 3500-Cr B
89	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron as Fe	APHA, 23rd Edition 2017/Phenanthroline Method 3500 B-Fe
90	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Lead as Pb	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Pb
91	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Manganese as Mn	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Mn
92	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nickel as Ni	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Ni
93	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrate	IS 3025 (Part 34):1998/RA2014 Chromotropic Acid Method
94	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrite	APHA, 23rd Edition 2017/Colorimetric Method 4500-NO2- B
95	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	APHA, 23rd Edition 2017/Liquid-Liquid ,Partition-Gravimetric Method 5520 B
96	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	APHA, 23rd Edition 2017/Electrometric Method 4500-H+ B
97	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium as K	APHA, 23rd Edition 2017/Flame Photometric Method 3500-K B
98	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Reactive Silica as SiO2	APHA,23rd Edition 2017/Molybdosilicate Method 4500-SiO2 C
99	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Residual Chlorine	APHA, 23rd Edition 2017/Iodometric Method-I 4500-Cl B
100	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium as Na	APHA, 23rd Edition 2017/Flame Emission Photometric Method 3500-Na B

SCOPE OF ACCREDITATION

Laboratory Name : CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7768 **Page No** 8 of 18

Validity 09/12/2022 to 08/12/2024 **Last Amended on** -

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101	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulfide as H2S	APHA, 23rd Edition 2017/Iodometric Method 4500-S-2 F
102	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate as SO4	APHA, 23rd Edition 2017/Turbidimetric Method 4500-SO42-
103	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Tin as Sn	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Sn
104	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total dissolved solids	APHA, 23rd Edition 2017/ Total Dissolved Solids Dried at 180°C 2540-C
105	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Kjeldahl Nitrogen as TKN	APHA, 23rd Edition 2017/Macro-Kjeldahl Method 4500-Norg –B
106	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total solids	APHA, 23rd Edition 2017/ Total Solids Dried at 103-105°C 2540-B
107	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended solids	APHA, 23rd Edition 2017/ Total Suspended Solids Dried at 103-105°C 2540-D
108	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Turbidity	APHA, 23rd Edition 2017/ Nephelometric Method 2130-B
109	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Zinc as Zn	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Zn
110	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Aluminum as Al	APHA, 23rd Edition 2017/Direct Nitrous Oxide- Acetylene Flame Method 3111 D- Al
111	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Color	APHA, 23rd Edition 2017/ Spectrophotometric 2120 C
112	CHEMICAL- POLLUTION & ENVIRONMENT	Waster Water	% Sodium	SOP for Water & Waste Water Analysis CGE/SOP-W/%Na, Issue No.02,Date -01-04-2022
113	CHEMICAL- POLLUTION & ENVIRONMENT	Waster Water	Boron	IS 3025 (Part 57):2021
114	CHEMICAL- POLLUTION & ENVIRONMENT	Waster Water	Calcium as Ca	APHA, 23rd Edition 2017/EDTA Titrimetric Method 3500-Ca-B
115	CHEMICAL- POLLUTION & ENVIRONMENT	Waster Water	Calcium Hardness as CaCO3	APHA, 23rd Edition 2017/EDTA Titrimetric Method 3500-Ca-B

SCOPE OF ACCREDITATION

Laboratory Name : CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7768 **Page No** 9 of 18

Validity 09/12/2022 to 08/12/2024 **Last Amended on** -

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116	CHEMICAL- POLLUTION & ENVIRONMENT	Waster Water	Iron as Fe	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Fe
117	CHEMICAL- POLLUTION & ENVIRONMENT	Waster Water	Magnesium as Mg	APHA, 23rd Edition 2017/Calculation Method 3500 –Mg B
118	CHEMICAL- POLLUTION & ENVIRONMENT	Waster Water	Magnesium Hardness as CaCO3	APHA, 23rd Edition 2017/Calculation Method 3500 –Mg B
119	CHEMICAL- POLLUTION & ENVIRONMENT	Waster Water	Phenolic Compound	APHA, 23rd Edition 2017/Cleanup Procedure & Direct Photometric Method 5530-B, D
120	CHEMICAL- POLLUTION & ENVIRONMENT	Waster Water	Sodium Absorption Ratio	IS 11624 : 2019
121	CHEMICAL- POLLUTION & ENVIRONMENT	Waster Water	Total Hardness as CaCO3	APHA, 23rd Edition 2017/EDTA Titrimetric Method 2340-C
122	CHEMICAL- RESIDUES IN WATER	Drinking Water	Cobalt as Co	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Co
123	CHEMICAL- RESIDUES IN WATER	Drinking Water	Boron as B	IS 3025 (Part 57):2021
124	CHEMICAL- RESIDUES IN WATER	Drinking Water	Cadmium as Cd	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Cd
125	CHEMICAL- RESIDUES IN WATER	Drinking Water	Chromium as Cr	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Cr
126	CHEMICAL- RESIDUES IN WATER	Drinking Water	Copper as Cu	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Cu
127	CHEMICAL- RESIDUES IN WATER	Drinking Water	Iron as Fe	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Fe
128	CHEMICAL- RESIDUES IN WATER	Drinking Water	Iron as Fe	APHA, 23rd Edition 2017/Phenanthroline Method 3500 B-Fe
129	CHEMICAL- RESIDUES IN WATER	Drinking Water	Lead as Pb	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Pb

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7768 **Page No** 10 of 18

Validity 09/12/2022 to 08/12/2024 **Last Amended on** -

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130	CHEMICAL- RESIDUES IN WATER	Drinking Water	Manganese as Mn	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Mn
131	CHEMICAL- RESIDUES IN WATER	Drinking Water	Nickel as Ni	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Ni
132	CHEMICAL- RESIDUES IN WATER	Drinking Water	Tin as Sn	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Sn
133	CHEMICAL- RESIDUES IN WATER	Drinking Water	Zinc as Zn	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Zn
134	CHEMICAL- RESIDUES IN WATER	Drinking Water	Aluminum as Al	APHA, 23rd Edition 2017/Direct Nitrous Oxide- Acetylene Flame Method 3111 D- Al
135	CHEMICAL- RESIDUES IN WATER	Ground Water	Copper as Cu	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Cu
136	CHEMICAL- RESIDUES IN WATER	Ground Water	Iron as Fe	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Fe
137	CHEMICAL- RESIDUES IN WATER	Ground Water	Iron as Fe	APHA, 23rd Edition 2017/Phenanthroline Method 3500 B-Fe
138	CHEMICAL- RESIDUES IN WATER	Ground Water	Manganese as Mn	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Mn
139	CHEMICAL- RESIDUES IN WATER	Ground Water	Nickel as Ni	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Ni
140	CHEMICAL- RESIDUES IN WATER	Ground Water	Tin as Sn	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Sn
141	CHEMICAL- RESIDUES IN WATER	Ground Water	Zinc as Zn	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Zn
142	CHEMICAL- RESIDUES IN WATER	Ground Water	Aluminum as Al	APHA, 23rd Edition 2017/Direct Nitrous Oxide- Acetylene Flame Method 3111 D- Al
143	CHEMICAL- RESIDUES IN WATER	Ground Water	Boron	IS 3025 (Part 57):2021

SCOPE OF ACCREDITATION

Laboratory Name :	CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7768	**Page No**	11 of 18
Validity	09/12/2022 to 08/12/2024	**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
144	CHEMICAL- RESIDUES IN WATER	Ground Water	Cadmium as Cd	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Cd
145	CHEMICAL- RESIDUES IN WATER	Ground Water	Chromium as Cr	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Cr
146	CHEMICAL- RESIDUES IN WATER	Ground Water	Cobalt as Co	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Co
147	CHEMICAL- RESIDUES IN WATER	Ground Water	Lead as Pb	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Pb
148	CHEMICAL- RESIDUES IN WATER	Surface Water	Boron	IS 3025 (Part 57):2021
149	CHEMICAL- RESIDUES IN WATER	Surface Water	Cadmium as Cd	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Cd
150	CHEMICAL- RESIDUES IN WATER	Surface Water	Chromium as Cr	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Cr
151	CHEMICAL- RESIDUES IN WATER	Surface Water	Cobalt as Co	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Co
152	CHEMICAL- RESIDUES IN WATER	Surface Water	Copper as Cu	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Cu
153	CHEMICAL- RESIDUES IN WATER	Surface Water	Iron as Fe	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Fe
154	CHEMICAL- RESIDUES IN WATER	Surface Water	Iron as Fe	APHA, 23rd Edition 2017/Phenanthroline Method 3500 B-Fe
155	CHEMICAL- RESIDUES IN WATER	Surface Water	Lead as Pb	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Pb
156	CHEMICAL- RESIDUES IN WATER	Surface Water	Manganese as Mn	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Mn
157	CHEMICAL- RESIDUES IN WATER	Surface Water	Nickel as Ni	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Ni

SCOPE OF ACCREDITATION

Laboratory Name : CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7768 **Page No** 12 of 18

Validity 09/12/2022 to 08/12/2024 **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
158	CHEMICAL- RESIDUES IN WATER	Surface Water	Tin as Sn	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Sn
159	CHEMICAL- RESIDUES IN WATER	Surface Water	Aluminum as Al	APHA, 23rd Edition 2017/Direct Nitrous Oxide- Acetylene Flame Method 3111 D- Al
160	CHEMICAL- RESIDUES IN WATER	Surface Water	Zinc as Zn	APHA, 23rd Edition 2017/ Direct Air Acetylene Flame Method 3111 B-Zn
161	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen as NH3-N	IS 3025 (Part 34):1988/RA 2019
162	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS 3025 (Part 40):1991/RA 2019
163	CHEMICAL- WATER	Drinking Water	Calcium Hardness as CaCO3	IS 3025 (Part 40):1991/RA 2019
164	CHEMICAL- WATER	Drinking Water	Chloride as Cl	IS 3025 (Part 32):1988/RA 2019
165	CHEMICAL- WATER	Drinking Water	Color	APHA, 23rd Edition 2017/ Spectrophotometric 2120 C
166	CHEMICAL- WATER	Drinking Water	Color	APHA, 23rd Edition 2017/ Visual Comparison 2120 B
167	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen (DO)	IS 3025 (Part 38):1989/RA 2019
168	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	IS 3025 (Part 14):1984/RA 2019
169	CHEMICAL- WATER	Drinking Water	Fluoride	APHA, 23rd Edition 2017/Preliminary Distillation Step & SPADNS Method 4500-F B & D
170	CHEMICAL- WATER	Drinking Water	Hexa valent Chromium as Cr+6	APHA, 23rd Edition 2017/Colorimetric Method 3500-Cr B
171	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	IS 3025 (Part 46):1994/RA 2019
172	CHEMICAL- WATER	Drinking Water	Magnesium Hardness as CaCO3	IS 3025 (Part 46):1994/RA 2019
173	CHEMICAL- WATER	Drinking Water	Nitrate	IS 3025 (Part 34):1998/RA2014 Chromotropic Acid Method
174	CHEMICAL- WATER	Drinking Water	Nitrite	IS 3025 (Part 34):1988/RA 2019

SCOPE OF ACCREDITATION

Laboratory Name :	CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7768	**Page No**	13 of 18
Validity	09/12/2022 to 08/12/2024	**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
175	CHEMICAL- WATER	Drinking Water	Odor	IS 3025 (Part 05):2018
176	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11):1983/RA 2017
177	CHEMICAL- WATER	Drinking Water	Phenolic Compound	APHA, 23rd Edition 2017/Cleanup Procedure & Direct Photometric Method 5530-B, D
178	CHEMICAL- WATER	Drinking Water	Phosphate	APHA, 23rd Edition 2017/Stannous Chloride Method 4500-P, C-D
179	CHEMICAL- WATER	Drinking Water	Potassium as K	APHA, 23rd Edition 2017/Flame Emission Photometric Method 3500-Na B
180	CHEMICAL- WATER	Drinking Water	Reactive Silica as SiO2	IS 3025 (Part 35):1988/RA 2019
181	CHEMICAL- WATER	Drinking Water	Residual Chlorine	IS 3025 (Part 26):2021
182	CHEMICAL- WATER	Drinking Water	Sodium Absorption Ratio	IS 11624 : 2019
183	CHEMICAL- WATER	Drinking Water	Sodium as Na	APHA, 23rd Edition 2017/Flame Emission Photometric Method 3500-Na B
184	CHEMICAL- WATER	Drinking Water	Sulfide as H2S	IS 3025 (Part 29):1986/RA 2019
185	CHEMICAL- WATER	Drinking Water	Sulphate as SO4	APHA, 23rd Edition 2017/Turbidimetric Method 4500-SO42-
186	CHEMICAL- WATER	Drinking Water	Taste	IS 3025 (Part 07):2017
187	CHEMICAL- WATER	Drinking Water	Temperature	IS 3025 (Part 09):1984/RA 2017
188	CHEMICAL- WATER	Drinking Water	Total Acidity as CaCO3	IS 3025 (Part 22):1986/RA 2019
189	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	IS 3025 (Part 23):1986/RA 2019
190	CHEMICAL- WATER	Drinking Water	Total dissolved solids	IS 3025 (Part 16):1984/RA 2017
191	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	IS 3025 (Part 21):2009/RA 2019
192	CHEMICAL- WATER	Drinking Water	Total Kjeldahl Nitrogen as TKN	IS 3025 (Part 34):1988/RA 2019

SCOPE OF ACCREDITATION

Laboratory Name : CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7768 **Page No** 14 of 18

Validity 09/12/2022 to 08/12/2024 **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
193	CHEMICAL- WATER	Drinking Water	Total solids	IS 3025 (Part 15):1984/RA 2019
194	CHEMICAL- WATER	Drinking Water	Total Suspended solids	IS 3025 (Part 17):1984/RA 2021
195	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10):1984/RA 2017
196	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen as NH3-N	APHA, 23rd Edition 2017/Preliminary Distillation Step & Titrimetric Method 4500- NH3 B & C
197	CHEMICAL- WATER	Ground Water	Calcium as Ca	APHA, 23rd Edition 2017/EDTA Titrimetric Method 3500-Ca-B
198	CHEMICAL- WATER	Ground Water	Calcium Hardness as CaCO3	APHA, 23rd Edition 2017/EDTA Titrimetric Method 3500-Ca-B
199	CHEMICAL- WATER	Ground Water	Chloride as Cl	APHA, 23rd Edition 2017/ Argentometric Method 4500-Cl-B
200	CHEMICAL- WATER	Ground Water	Color	APHA, 23rd Edition 2017/ Visual Comparison 2120 B
201	CHEMICAL- WATER	Ground Water	Dissolved Oxygen (DO)	APHA, 23rd Edition 2017/Azide Modification 4500-C
202	CHEMICAL- WATER	Ground Water	Fluoride	APHA, 23rd Edition 2017/Preliminary Distillation Step & SPADNS Method 4500-F B & D
203	CHEMICAL- WATER	Ground Water	Hexa valent Chromium as Cr+6	APHA, 23rd Edition 2017/Colorimetric Method 3500-Cr B
204	CHEMICAL- WATER	Ground Water	Magnesium as Mg	APHA, 23rd Edition 2017/Calculation Method 3500 –Mg B
205	CHEMICAL- WATER	Ground Water	Magnesium Hardness as CaCO3	APHA, 23rd Edition 2017/Calculation Method 3500 –Mg B
206	CHEMICAL- WATER	Ground Water	Nitrate	IS 3025 (Part 34):1998/RA2014 Chromotropic Acid Method
207	CHEMICAL- WATER	Ground Water	Nitrite	APHA, 23rd Edition 2017/Colorimetric Method 4500-NO2- B

SCOPE OF ACCREDITATION

Laboratory Name : CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7768 **Page No** 15 of 18

Validity 09/12/2022 to 08/12/2024 **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
208	CHEMICAL- WATER	Ground Water	Odor	APHA, 23rd Edition 2017/Threshold Odor Test 2150-B
209	CHEMICAL- WATER	Ground Water	pH	APHA, 23rd Edition 2017/Electrometric Method 4500-H+ B
210	CHEMICAL- WATER	Ground Water	Phenolic Compound	APHA, 23rd Edition 2017/Cleanup Procedure & Direct Photometric Method 5530-B, D
211	CHEMICAL- WATER	Ground Water	Phosphate	APHA, 23rd Edition 2017/Stannous Chloride Method 4500-P, C-D
212	CHEMICAL- WATER	Ground Water	Potassium as K	APHA, 23rd Edition 2017/Flame Photometric Method 3500-K B
213	CHEMICAL- WATER	Ground Water	Reactive Silica as SiO2	APHA,23rd Edition 2017/Molybdosilicate Method 4500-SiO2 C
214	CHEMICAL- WATER	Ground Water	Residual Chlorine	APHA, 23rd Edition 2017/Iodometric Method-I 4500-Cl B
215	CHEMICAL- WATER	Ground Water	Sodium as Na	APHA, 23rd Edition 2017/Flame Emission Photometric Method 3500-Na B
216	CHEMICAL- WATER	Ground Water	Sulfide as H2S	APHA, 23rd Edition 2017/Iodometric Method 4500-S-2 F
217	CHEMICAL- WATER	Ground Water	Sulphate as SO4	APHA, 23rd Edition 2017/Turbidimetric Method 4500-SO42-
218	CHEMICAL- WATER	Ground Water	Taste	APHA, 23rd Edition 2017/Flavor Threshold Test 2160-B
219	CHEMICAL- WATER	Ground Water	Total Acidity as CaCO3	APHA, 23rd Edition 2017/Titration Method 2310-B
220	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO3	APHA, 23rd Edition 2017/Titration Method 2320-B
221	CHEMICAL- WATER	Ground Water	Total dissolved solids	APHA, 23rd Edition 2017/ Total Dissolved Solids Dried at 180°C 2540-C
222	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	APHA, 23rd Edition 2017/EDTA Titrimetric Method 2340-C

SCOPE OF ACCREDITATION

Laboratory Name : CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7768 **Page No** 16 of 18

Validity 09/12/2022 to 08/12/2024 **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
223	CHEMICAL- WATER	Ground Water	Total Kjeldahl Nitrogen as TKN	APHA, 23rd Edition 2017/Macro-Kjeldahl Method 4500-Norg –B
224	CHEMICAL- WATER	Ground Water	Total solids	APHA, 23rd Edition 2017/ Total Solids Dried at 103-105°C 2540-B
225	CHEMICAL- WATER	Ground Water	Total Suspended solids	APHA, 23rd Edition 2017/ Total Suspended Solids Dried at 103-105°C 2540-D
226	CHEMICAL- WATER	Ground Water	Electrical Conductivity	APHA, 23rd Edition 2017/Laboratory Method 2510-B
227	CHEMICAL- WATER	Ground Water	Bio Chemical Oxygen Demand @ 27 0C for 3 Days	IS 3025 (Part 44):1993/RA2019
228	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	IS 3025 (Part 58):2006/RA2017
229	CHEMICAL- WATER	Ground Water	Color	APHA, 23rd Edition 2017/ Spectrophotometric 2120 C
230	CHEMICAL- WATER	Ground Water	Oil & Grease	APHA, 23rd Edition 2017/Liquid-Liquid ,Partition-Gravimetric Method 5520 B
231	CHEMICAL- WATER	Ground Water	Sodium Absorption Ratio	IS 11624 : 2019
232	CHEMICAL- WATER	Ground Water	Temperature	APHA, 23rd Edition 2017/Laboratory and Field Method 2550-B
233	CHEMICAL- WATER	Ground Water	Turbidity	APHA, 23rd Edition 2017/ Nephelometric Method 2130-B
234	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen as NH3-N	APHA, 23rd Edition 2017/Preliminary Distillation Step & Titrimetric Method 4500- NH3 B & C
235	CHEMICAL- WATER	Surface Water	Bio Chemical Oxygen Demand @ 27 0C for 3 Days	IS 3025 (Part 44):1993/RA2019
236	CHEMICAL- WATER	Surface Water	Calcium as Ca	APHA, 23rd Edition 2017/EDTA Titrimetric Method 3500-Ca-B
237	CHEMICAL- WATER	Surface Water	Calcium Hardness as CaCO3	APHA, 23rd Edition 2017/EDTA Titrimetric Method 3500-Ca-B
238	CHEMICAL- WATER	Surface Water	Chloride as Cl	APHA, 23rd Edition 2017/ Argentometric Method 4500-Cl-B

SCOPE OF ACCREDITATION

Laboratory Name :	CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7768	**Page No**	17 of 18
Validity	09/12/2022 to 08/12/2024	**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
239	CHEMICAL- WATER	Surface Water	Color	APHA, 23rd Edition 2017/ Visual Comparison 2120 B
240	CHEMICAL- WATER	Surface Water	Electrical Conductivity	APHA, 23rd Edition 2017/Laboratory Method 2510-B
241	CHEMICAL- WATER	Surface Water	Fluoride	APHA, 23rd Edition 2017/Preliminary Distillation Step & SPADNS Method 4500-F B & D
242	CHEMICAL- WATER	Surface Water	Hexa valent Chromium as Cr+6	APHA, 23rd Edition 2017/Colorimetric Method 3500-Cr B
243	CHEMICAL- WATER	Surface Water	pH	APHA, 23rd Edition 2017/Electrometric Method 4500-H+ B
244	CHEMICAL- WATER	Surface Water	Phenolic Compound	APHA, 23rd Edition 2017/Cleanup Procedure & Direct Photometric Method 5530-B, D
245	CHEMICAL- WATER	Surface Water	Phosphate	APHA, 23rd Edition 2017/Stannous Chloride Method 4500-P, D
246	CHEMICAL- WATER	Surface Water	Potassium as K	APHA, 23rd Edition 2017/Flame Photometric Method 3500-K B
247	CHEMICAL- WATER	Surface Water	Reactive Silica as SiO2	APHA,23rd Edition 2017/Molybdosilicate Method 4500-SiO2 C
248	CHEMICAL- WATER	Surface Water	Residual Chlorine	APHA, 23rd Edition 2017/Iodometric Method-I 4500-Cl B
249	CHEMICAL- WATER	Surface Water	Sulfide as H2S	APHA, 23rd Edition 2017/Iodometric Method 4500-S-2 F
250	CHEMICAL- WATER	Surface Water	Sulphate as SO4	APHA, 23rd Edition 2017/Turbidimetric Method 4500-SO42-
251	CHEMICAL- WATER	Surface Water	Temperature	APHA, 23rd Edition 2017/Laboratory and Field Method 2550-B
252	CHEMICAL- WATER	Surface Water	Total dissolved solids	APHA, 23rd Edition 2017/ Total Dissolved Solids Dried at 180°C 2540-C

SCOPE OF ACCREDITATION

Laboratory Name : CHERRY GREEN ENVIRONMENT (LABORATORY DIVISION), 301, TANAY COMPLEX, BHAVNAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7768 **Page No** 18 of 18

Validity 09/12/2022 to 08/12/2024 **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
253	CHEMICAL- WATER	Surface Water	Total Kjeldahl Nitrogen as TKN	APHA, 23rd Edition 2017/Macro-Kjeldahl Method 4500-Norg –B
254	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	IS 3025 (Part 58):2006/RA2017
255	CHEMICAL- WATER	Surface Water	Color	APHA, 23rd Edition 2017/ Spectrophotometric 2120 C
256	CHEMICAL- WATER	Surface Water	Dissolved Oxygen (DO)	APHA, 23rd Edition 2017/Azide Modification 4500-C
257	CHEMICAL- WATER	Surface Water	Magnesium as Mg	APHA, 23rd Edition 2017/Calculation Method 3500 –Mg B
258	CHEMICAL- WATER	Surface Water	Magnesium Hardness as CaCO3	APHA, 23rd Edition 2017/Calculation Method 3500 –Mg B
259	CHEMICAL- WATER	Surface Water	Nitrate	IS 3025 (Part 34):1998/RA2014 Chromotropic Acid Method
260	CHEMICAL- WATER	Surface Water	Nitrite	APHA, 23rd Edition 2017/Colorimetric Method 4500-NO2- B
261	CHEMICAL- WATER	Surface Water	Oil & Grease	APHA, 23rd Edition 2017/Liquid-Liquid ,Partition-Gravimetric Method 5520 B
262	CHEMICAL- WATER	Surface Water	Sodium Absorption Ratio	IS 11624 : 2019
263	CHEMICAL- WATER	Surface Water	Sodium as Na	APHA, 23rd Edition 2017/Flame Emission Photometric Method 3500-Na B
264	CHEMICAL- WATER	Surface Water	Total Acidity as CaCO3	APHA, 23rd Edition 2017/Titration Method 2310-B
265	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO3	APHA, 23rd Edition 2017/Titration Method 2320-B
266	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	APHA, 23rd Edition 2017/EDTA Titrimetric Method 2340-C
267	CHEMICAL- WATER	Surface Water	Total solids	APHA, 23rd Edition 2017/ Total Solids Dried at 103-105°C 2540-B
268	CHEMICAL- WATER	Surface Water	Total Suspended solids	APHA, 23rd Edition 2017/ TotalSuspended Solids Dried at 103-105°C 2540-D
269	CHEMICAL- WATER	Surface Water	Turbidity	APHA, 23rd Edition 2017/ Nephelometric Method 2130-B