National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GREEN CHEM SOLUTIONS PVT. LTD., PLOT NO.4, RAJIV GANDHI STREET , BALAJI AVENUE, A.N. ELUMALAI ROAD (OIL MILL ROAD), IYYAPANTHANGAL, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6410 **Page No** 1 of 9

Validity 24/11/2022 to 18/08/2024 **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 quality	Ozone as O3	IS 5182 Part -09
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air quality	Respirable Suspended Particulate Matter (	IS 5182 Part 23
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air quality	Ammonia as NH3	GCS/LAB/SOP/086 Issue No: 01I
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air quality	Arsenic as As	GCS/Lab/SOP/89 Issue No: 01
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air quality	Benzene	IS 5182 Part -11
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air quality	Benzo(a) Pyrene	IS 5182 Part -12
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air quality	Carbon Monoxide	IS 5182 Part 10 (Indicator tube method)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air quality	Lead as Pb	IS 5182 Part 22
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air quality	Nickel as Ni	EPA, Compendium Method IO-3.2
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air quality	Oxides of Nitrogen as NO2	IS 5182 Part 6
11	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air quality	Particulate Matter (	GCS/Lab/SOP/087 Issue No: 01
12	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air quality	Sulphur dioxide as SO2	IS 5182 Part 2
13	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Suspended Particulate matter (SPM)	IS 5182 Part 4
14	CHEMICAL- ATMOSPHERIC POLLUTION	Sound Level Monitoring	Noise(Leq)	IS:9989 Part-1
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon di Oxide as CO2 (V/V)	IS 13270:1992
16	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Monoxide as CO (V/V)	IS 13270:1992
17	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen as NOX – NO2	IS 11255 Part 7
18	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxygen as O2 (V/V)	IS 13270

SCOPE OF ACCREDITATION

Laboratory Name : GREEN CHEM SOLUTIONS PVT. LTD., PLOT NO.4, RAJIV GANDHI STREET , BALAJI AVENUE, A.N. ELUMALAI ROAD (OIL MILL ROAD), IYYAPANTHANGAL, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6410 **Page No** 2 of 9

Validity 24/11/2022 to 18/08/2024 **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
19	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur dioxide as SO2	IS 11255 Part 2
20	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Suspended Particulate matter (SPM)	IS 11255 Part 1
21	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Temperature	IS 11255 Part 3
22	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Velocity	IS 11255 Part 3
23	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Volume of flue gas discharge	IS 11255 Part 3
24	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Ammonia as NH3	IS 3025 Part 34, APHA 23rd Edn2017-4500 NH3 B,C
25	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Acidity as CaCO3	IS 3025 Part 22, APHA 23rd Edn. 2017 - 2310 B
26	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Aluminium as Al	IS 3025 Part 55 - 2009APHA 23rd Edn - 3111D-
27	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Ammonical Nitrogen as NH4-N	IS 3025 Part 34, APHA 23rd Edn2017-4500 NH3 B,C
28	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Biochemical Oxygen Demand (BOD)	IS 3025 Part 44, APHA 23rd Edn. 2017 - 5210 B
29	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Boron as B	APHA 23rd Edn. 2017 - 4500 B/B
30	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Cadmium as Cd	IS 3025 Part 41 - 2006APHA 23rd Edn - 3111B -
31	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Calcium as Ca	IS 3025 Part 40, APHA 23rd Edn. 2017 - 3500 Ca B,
32	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Carbonate & Non –Carbonate Hardness as CaCO3	IS 3025 Part 21, APHA 23rd Edn. 2017 - 2340 A
33	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Chemical Oxygen Demand (COD)	IS 3025 Part 58, APHA 23rd Edn. 2017 - 5220 B
34	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & sewage water	Chloride as Cl	IS 3025 Part 32, APHA 23rd Edn. 2017 - 4500 Cl- B
35	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Chromium- Hexvalent as Cr6+	IS 3025 Part 52, APHA 23rd Edn. 2017 - 3500 Cr B
36	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Colloid Silica	IS 3025 Part 35, APHA 23rd Edn. 2017 - 4500 -SiO2 C, D
37	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Colour	IS 3025 Part 4

SCOPE OF ACCREDITATION

Laboratory Name : GREEN CHEM SOLUTIONS PVT. LTD., PLOT NO.4, RAJIV GANDHI STREET , BALAJI AVENUE, A.N. ELUMALAI ROAD (OIL MILL ROAD), IYYAPANTHANGAL, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6410 **Page No** 3 of 9

Validity 24/11/2022 to 18/08/2024 **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
38	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Conductivity @ 25°C,	IS 3025 Part 14, APHA 23rd Edn. 2017 - 2510 B
39	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Cyanide as CN	IS 3025 Part 27 APHA 23rdEdn. 4500 CN–C, E
40	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Dissolved Oxygen	IS 3025 Part 38 , APHA 23rd Edn. 2017 - 4500 O C
41	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Dissolved phosphate as PO4	IS 3025 Part 31, APHA 23rd Edn. 2017 - 4500 P B,D
42	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & sewage Water	Fluoride as F	IS 3025 Part 60, APHA 23rd Edn. 2017 - 4500 F B, D
43	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Lead as Pb	APHA 23rd Edn. - 3111 B-
44	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Magnesium as Mg	IS 3025 Part 46, APHA 23rd Edn. 2017 - 3500 Mg B
45	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Manganese	IS 3025 Part 59 -2006, APHA 23rd Edn. 2017 - 3111 B
46	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Nickel as Ni	IS 3025 Part 54 -2003APHA 23rd Edn. - 3111 B
47	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Nitrate as NO3	IS 3025 Part 34 - 2009, APHA 23rd Edn: 4500 NO3 B -
48	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Nitrite as NO2	IS 3025 Part 34, APHA 23rd Edn. 2017 - 4500 NO2 B
49	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Odour	IS 3025 Part 5
50	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Oil & Grease	IS 3025 Part 39, APHA 23rd Edn. 2017 - 5520 O&G – B
51	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Organic Nitrogen	IS 3025 Part 34, APHA 23rd Edn. 2017 - 4500 Norg – B
52	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Oxygen Absorbed after 4hrs	IS 3025 Part 63
53	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	pH @ 25°C	IS 3025 Part 11, APHA 23rd Edn. 2017 - 4500 H+ B
54	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Phenolic compounds as C6H5OH	APHA 23rd Edn. 2017 - 5530 D
55	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Phenolphthalein Alkalinity as CaCO3	IS 3025 Part 23, APHA 23rd Edn. 2017 - 2320 B
56	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Potassium as K	IS 3025 Part 45, APHA 23rd Edn. 2017 - 3500 K -B

SCOPE OF ACCREDITATION

Laboratory Name : GREEN CHEM SOLUTIONS PVT. LTD., PLOT NO.4, RAJIV GANDHI STREET , BALAJI AVENUE, A.N. ELUMALAI ROAD (OIL MILL ROAD), IYYAPANTHANGAL, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6410 **Page No** 4 of 9

Validity 24/11/2022 to 18/08/2024 **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
57	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Reactive Silica as SiO2	IS 3025 Part 35, APHA 23rd Edn. 2017 - 4500 -SiO2 C, D
58	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Residual Chlorine	IS 3025 Part 26, APHA 23rd Edn. 2017 - 4500 Cl G
59	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Residual Sodium Carbonate	IS 11624
60	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Settleable Solids	APHA23rdEdn. 2017 2540 F
61	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Sludge Volume Index	APHA 23rd Edn. 2017 - 2710 D
62	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Sodium Absorption Ratio	IS 11624
63	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Sodium as Na	IS 3025 Part, APHA 23rd Edn. 2017-3500 Na-B
64	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Sulphate as SO4	IS 3025 Part 24, APHA 23rd Edn. 2017-4500SO4 E
65	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Sulphide as S	IS 3025 Part 29, APHA 23rd Edn. 2017 - 4500 S FIdometricTitration
66	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Sulphite as SO3	IS 3025 Part 28, APHA 23rd Edn. 2017 - 4500 SO3 B
67	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Temperature	IS 3025 Part 9 , APHA 23rd Edn 2017 2550 B
68	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Total Alkalinity as CaCO3	IS 3025 Part 23, APHA 23rd Edn. 2017 - 2320 B
69	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Total Chromium as Cr	IS 3025 Part 52 - 2009/APHA 23rd Edn. 3111B -
70	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Total Dissolved Solids	IS 3025 Part 16, APHA 23rd Edn. 2017 - 2540 C
71	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Total Hardness as CaCO3	IS 3025 Part 21, APHA 23rd Edn. 2017 - 2340 C
72	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & sewage water	Total Iron as Fe	IS 3025 Part 53, APHA 23rd Edn. 2017 - 3500 Fe- B
73	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Total Kjeldahl Nitrogen	IS 3025 Part 34, APHA 23rd Edn. 2017 - 4500 Norg – B
74	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Total phosphate as PO4	IS 3025 Part 31, APHA 23rd Edn. 2017 - 4500 P B,D

SCOPE OF ACCREDITATION

Laboratory Name : GREEN CHEM SOLUTIONS PVT. LTD., PLOT NO.4, RAJIV GANDHI STREET , BALAJI AVENUE, A.N. ELUMALAI ROAD (OIL MILL ROAD), IYYAPANTHANGAL, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6410 **Page No** 5 of 9

Validity 24/11/2022 to 18/08/2024 **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
75	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Total Silica as SiO2	IS 3025 Part 35, APHA 23rd Edn. 2017 - 4500 -SiO2 C, D
76	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Total Solids	IS 3025 Part 15, APHA 23rd Edn. 2017 - 2540 B
77	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Total Suspended Solids	IS 3025 Part 17 ,APHA 23rd Edn. 2017 - 2540 D
78	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Total Volatile and Fixed Residue	IS 3025 Part 18, APHA 23rd Edn. 2017-2540 E
79	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage water	Turbidity	IS 3025 Part 10, APHA 23rd Edn. 2017 - 2130 B
80	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent & Sewage Water	Zinc as Zn	lIS 3025 Part 49 -2006, APHA 23rd Edn. - 3111 B -
81	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Calcium as Ca	EPA 3050 B
82	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Electrical Conductivity @ 25 ºC	IS:14767
83	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Magnesium as Mg	EPA 7000B /3050 B
84	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Matter	IS: 2720 Part-22
85	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH @ 25 ºC	IS: 2720 Part-26
86	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Texture (Silt, Clay, sand)	GCS/Lab/SOP/S&S-003 Issue No: 01
87	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Soluble Sulphate	IS: 2720 Part-27
88	CHEMICAL- RESIDUES IN WATER	Effluent & Sewage Water	Aluminium as Al	IS 3025 Part 55 APHA 23rd Edn -3111D-: 2017
89	CHEMICAL- RESIDUES IN WATER	Effluent & Sewage Water	Cadmium as Cd	IS 3025 Part 41 2006APHA 23rd Edn -3111B
90	CHEMICAL- RESIDUES IN WATER	Effluent & Sewage Water	Chromium Hexvalent as Cr6+	IS 3025 Part 52 Re 2019,, APHA 23rd Edn. -3500 Cr B
91	CHEMICAL- RESIDUES IN WATER	Effluent & Sewage Water	Copper as Cu	IS 3025 Part 42) - 2009/APHA 23rd Edn.- 3111 B: 2017
92	CHEMICAL- RESIDUES IN WATER	Effluent & Sewage Water	Lead as Pb	APHA 23rd Edn. 3111 B
93	CHEMICAL- RESIDUES IN WATER	Effluent & Sewage Water	Manganese as Mn	IS 3025 Part 59 2006,APHA 23rd Edn. -3111 B

SCOPE OF ACCREDITATION

Laboratory Name : GREEN CHEM SOLUTIONS PVT. LTD., PLOT NO.4, RAJIV GANDHI STREET , BALAJI AVENUE, A.N. ELUMALAI ROAD (OIL MILL ROAD), IYYAPANTHANGAL, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6410 **Page No** 6 of 9

Validity 24/11/2022 to 18/08/2024 **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
94	CHEMICAL- RESIDUES IN WATER	Effluent & Sewage Water	Nickel as Ni	IS 3025 Part 54 - 2003APHA 23rd Ed-3111 B
95	CHEMICAL- RESIDUES IN WATER	Effluent & Sewage Water	Phenolic compounds asC6H5OH	APHA 23rd Edn. 5530 C:
96	CHEMICAL- RESIDUES IN WATER	Effluent & Sewage Water	Total Chromium as Cr	IS 3025 Part 52 2009/APHA 23rd Edn. 3111B
97	CHEMICAL- RESIDUES IN WATER	Effluent & Sewage Water	Zinc as Zn	IS 3025 Part 49 2006,APHA 23rd Edn. -3111 B
98	CHEMICAL- RESIDUES IN WATER	Raw water, Ground water, Process water, Drinking water, Surface water, Drinking water	Phenolic compounds asC6H5OH	APHA 23rd Edn. 5530 C
99	CHEMICAL- RESIDUES IN WATER	Raw water, Process water, Ground water, Drinking water, Surface water, Drinking water	Aluminium as Al	APHA 23rd Edn. - 3111 D
100	CHEMICAL- RESIDUES IN WATER	Raw water, Process water, Ground water, Drinking water, Surface water, Drinking water	Cadmium as Cd	IS 3025 Part 41 2003 APHA 23rd Edn. - 3111B
101	CHEMICAL- RESIDUES IN WATER	Raw water, Process water, Ground water, Drinking water, Surface water, Drinking water	Copper as Cu	IS 3025 Part 42, 2009 /APHA 23rd Edn. -3111B
102	CHEMICAL- RESIDUES IN WATER	Raw water, Process water, Ground water, Drinking water, Surface water, Drinking water	Hexavalent Chromium as Cr6+	APHA 23rd Edn.3500 Cr6+ B
103	CHEMICAL- RESIDUES IN WATER	Raw water, Process water, Ground water, Drinking water, Surface water, Drinking water	Lead as Pb	APHA 23rd Edn. 3111B
104	CHEMICAL- RESIDUES IN WATER	Raw water, Process water, Ground water, Drinking water, Surface water, Drinking water	Manganese as Mn	IS 3025 Part 59 - 2009 APHA 23rd Edn -3111B
105	CHEMICAL- RESIDUES IN WATER	Raw water, Process water, Ground water, Drinking water, Surface water, Drinking water	Nickel as Ni	IS 3025 Part 54 - 2003APHA 23rd Edn -3111B
106	CHEMICAL- RESIDUES IN WATER	Raw water, Process water, Ground water, Drinking water, Surface water, Drinking water	Total Chromium as Cr	IS 3025 Part 52 2009/APHA 23rd Edn. -3111 B
107	CHEMICAL- RESIDUES IN WATER	Raw water, Process water, Ground water, Drinking water, Surface water, Drinking water	Zinc as Zn	IS 3025 Part 49 - 2009 APHA 23rd Edn -3111B
108	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Ammonia as NH3	IS 3025 Part 34 - 2009 /APHA 23rd Edn -4500 NH3 B,C
109	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Ammonical Nitrogen as NH3-N	IS 3025 Part 34 - 2009 APHA 23rd Edn - 4500 NH3 B,C -
110	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Biochemical Oxygen Demand	IS 3025 Part 44 -
111	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Boron as B	APHA 23rd Edn. - 4500 B/B
112	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Calcium as Ca	IS 3025 Part 40, - 2009APHA 23rd Edn. - 3500 Ca B, -

SCOPE OF ACCREDITATION

Laboratory Name : GREEN CHEM SOLUTIONS PVT. LTD., PLOT NO.4, RAJIV GANDHI STREET , BALAJI AVENUE, A.N. ELUMALAI ROAD (OIL MILL ROAD), IYYAPANTHANGAL, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6410 **Page No** 7 of 9

Validity 24/11/2022 to 18/08/2024 **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
113	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Carbonate & Non –Carbonate Hardness as CaCO3	IS 3025 Part 21 - 2006 /APHA 23rd Edn. -2340 A -
114	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Chemical Oxygen Demand (COD)	IS 3025 Part 58 - 2008
115	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Chloride as Cl	IS 3025 Part 32 - 2009, APHA 23rd Edn. 2017 - 4500 Cl- B -
116	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Colloid Silica as SiO2	IS 3025 Part-35 - 2009, APHA 23rd Edn. - 4500 -SiO2 C, D -
117	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Colour	IS 3025 (Part 4)
118	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Conductivity @ 25°C	IS 3025 Part 14 - 2011 , APHA 23rd Edn - 2510 B -
119	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Cyanide as CN	IS 3025 Part 27 - 2009 / APHA 23rdEdn. 4500 CN–C, E
120	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Dissolved Oxygen	IS 3025 Part 38 - 2009 /APHA 23rd Edn. 2017 - 4500 O C -
121	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Dissolved phosphate as PO4	IS 3025 Part 31 - 2009 /APHA 23rd Edn. 2017 - 4500 P B,D -
122	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Fluoride as F	IS 3025 Part 60 - 2008 / APHA 23rd Edn. - 4500 F B, D -
123	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Magnesium as Mg	IS 3025 Part 46 - 1994 /APHA 23rd Edn. - 3500 Mg B -
124	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Nitrate as NO3	APHA 23rd Edn.- 4500 NO3 B -
125	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Nitrite as NO2	IS 3025 Part 34 - 2009 /APHA 23rd Edn. 2017 - 4500 NO2 B -
126	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Odour	IS 3025 (Part 5)
127	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Oil & grease	IS 3025 Part 39 - 2009 , APHA 23rd Edn. - 5520 O&G– B -
128	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Organic Nitrogen	IS 3025 Part 34 - 2009 / APHA 23rd Edn. - 4500 Norg – B
129	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Oxygen Absorbed after 4hrs	IS 3025 Part 63
130	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Percent Sodium	GCS/LAB/SOP/040 Issue No: 01 Issue Date: 26.05.2010 /
131	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	pH @ 25°C	IS 3025 Part 11 - 2006 / APHA 23rd Edn. - 4500 H+ B -

SCOPE OF ACCREDITATION

Laboratory Name : GREEN CHEM SOLUTIONS PVT. LTD., PLOT NO.4, RAJIV GANDHI STREET , BALAJI AVENUE, A.N. ELUMALAI ROAD (OIL MILL ROAD), IYYAPANTHANGAL, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6410 **Page No** 8 of 9

Validity 24/11/2022 to 18/08/2024 **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
132	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Phenolphthalein Alkalinity as CaCO3	IS 3025 Part 23 - 2009 / APHA 23rd Edn. - 2320 B -
133	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Potassium as K	IS 3025 Part 45 - 2009 / APHA 23rd Edn. - 3500 K-B -
134	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Reactive Silica as SiO2	IS 3025 Part 35 - 2009 /APHA 23rd Edn. - 4500 -SiO2 C, D -
135	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Residual Chlorine	IS 3025 Part 26, - 2009 / APHA 23rd Edn.- 4500 Cl G
136	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Residual Sodium Carbonate	IS 11624
137	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Settleable Solids	APHA 23rd Edn - 2540 F -
138	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Sludge Volume Index	APHA 23rd Edn. - 2710 D
139	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Sodium Absorption Ratio (SAR)	IS 11624 - 1986
140	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Sodium as Na	IS 3025 Part 45 - 2009 / APHA 23rd Edn. - 3500 Na-B
141	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Sulphate as SO4	APHA 23rd Edn. - 4500 -SO4 E
142	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Sulphide as S	IS 3025 Part 29, - 2009/ APHA 23rd Edn. - 4500 S F(Idometrictitration) -
143	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Sulphite as SO3	IS 3025 Part 28, - 2009 / APHA 23rd Edn. - 4500 SO3 B -
144	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Temperature	IS 3025 (Part 9) - 2006 /APHA 23rd Edn -2550 B -
145	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Total Alkalinity as CaCO3	IS 3025 Part 23 - 2009 / APHA 23rd Edn. - 2320 B
146	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Total Dissolved Solids	IS 3025 Part 16 - 2006 / APHA 23rd Edn. - 2540 C -
147	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Total Hardness as CaCO3	IS 3025 Part 21 - 2006 /APHA 23rd Edn. - 2340 C
148	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Total Iron as Fe	IS 3025 Part 53 - 2009 / APHA 23rd Edn. -3500Fe- B -
149	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Total Kjeldahl Nitrogen	IS 3025 Part 34 - 2009 /,APHA 23rd Edn.- 4500 Norg – B

SCOPE OF ACCREDITATION

Laboratory Name : GREEN CHEM SOLUTIONS PVT. LTD., PLOT NO.4, RAJIV GANDHI STREET , BALAJI AVENUE, A.N. ELUMALAI ROAD (OIL MILL ROAD), IYYAPANTHANGAL, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6410 **Page No** 9 of 9

Validity 24/11/2022 to 18/08/2024 **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
150	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Total phosphate as PO4	IS 3025 Part 31 - 2009 /APHA 23rd Edn. - 4500 P B,D
151	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Total Silica as SiO2	IS 3025 Part 35- 2009 / APHA 23rd Edn. - 4500 -SiO2 C, D
152	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Total Solids	IS 3025 Part 15 - 2009 /APHA 23rd Edn. - 2540 B
153	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Total Suspended Solids	IS 3025 Part 17 - 2006, APHA 23rd Edn.- 2540 D
154	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Total Volatile and Fixed Residue	IS 3025 Part 18, - 2006 /APHA 23rd Edn -2540 E
155	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Turbidity	IS 3025 (Part 10) - 2006 & APHA 23rd Edn.-2130B
156	CHEMICAL- WATER	Raw water, Ground water, Drinking water, Surface water, Drinking water	Zinc as Zn	IS 3025 Part 49 - 2009 APHA 23rd Edn - 3111B -
157	CHEMICAL- WATER	Water for construction purpose	Chloride as Cl	IS 3025 Part 32 - 2099 APHA 23rd Edn. - 4500 Cl B
158	CHEMICAL- WATER	Water for construction purpose	Inorganic Solids	IS 3025 Part 18
159	CHEMICAL- WATER	Water for Construction Purpose	Organic Solids	IS 3025 Part 18
160	CHEMICAL- WATER	Water for Construction purpose	pH @ 25°C	IS 3025 Part 11,- 2006 APHA 23rd Edn. - 4500 H+ B -
161	CHEMICAL- WATER	Water for construction purpose	Sulphate as SO4	APHA 23rd Edn. -4500 SO4 E -
162	CHEMICAL- WATER	Water for construction purpose	Suspended Matter	IS 3025 Part 17 - 2006, APHA 23rd Edn. - 2540 D. -
163	CHEMICAL- WATER	Water for Construction Purpose	Water Neutralization - To neutralize 100ml of Sample water using Mixed indicator using 0.02N H2SO4	IS 3025 Part 23
164	CHEMICAL- WATER	Water for Construction Purpose	Water Neutralization - To neutralize 100ml of sample water using Phenolphthalein as an Indicator using 0.02N NaOH	IS 3025 Part 22