



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MITCON CONSULTANCY & ENGINEERING SERVICES LTD.(ENVIRONMENTAL LABORATORY), AGRICULTURE COLLEGE CAMPUS, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-5108 Page No. : 1 / 6

Validity 29/12/2018 to 28/12/2020 Last Amended on 01/01/2019

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Ammonical Nitrogen as NH3	APHA 4500 NH3 F, 4-115 to 4-116, 22nd Ed: 2012	0.5 mg/l to 100 mg/l
2	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Biochemical Oxygen Demand (BOD)3 days at 27 degree C	IS:3025 (Part 44)-1993 , Rev.1, Reaffirmed: 2014	5 mg/l to 1000 mg/l
3	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Cadmium as Cd	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	0.25 mg/l to 10 mg/l
4	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Chemical Oxygen Demand (COD)	IS:3025 (Part 58)-2006 . Rev.1, Reaff: 2017	50 mg/l to 1000 mg/l
5	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Chloride as Cl	APHA 4500 Cl-, B, 4-72 to 4-73, 22nd Ed: 2012	25 mg/l to 10000 mg/l
6	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Chromium Hexavalent as cr6+	APHA 3500 Cr B 3-69 to 3-70, 22nd Ed: 2012	0.05 mg/l to 10 mg/l
7	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Copper as Cu	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	0.2 mg/l to 100 mg/l
8	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Dissolved Oxygen	IS: 3025 (Part-38)-1989, Reaff: 2014	1 mg/l to 20 mg/l
9	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Fluoride as F	APHA 4500-F- D, 4-87 to 4-88, 22nd Ed: 2012	0.5 mg/l to 100 mg/l



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MITCON CONSULTANCY & ENGINEERING SERVICES LTD.(ENVIRONMENTAL LABORATORY), AGRICULTURE COLLEGE CAMPUS, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-5108 Page No. : 2 / 6

Validity 29/12/2018 to 28/12/2020 Last Amended on 01/01/2019

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
10	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Iron as Fe	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	0.25 mg/l to 100 mg/l
11	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Lead as Pb	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	0.5 mg/l to 10 mg/l
12	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Manganese as Mn	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	0.25 mg/l to 10000 mg/l
13	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Nickel as Ni	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	0.2 mg/l to 10 mg/l
14	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Nitrate as NO ₃	APHA 4500 NO ₃ – B , 22nd Ed: 2012	5 mg/l to 100 mg/l
15	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Nitrite as NO ₂	IS 3025 (Part 34) 1988, Cl. 3, Rev.1, Reaff : 2014	0.05 mg/l to 100 mg/l
16	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	pH	APHA 4500 H+, A, 4-91, 22nd Ed: 2012	1 to 14
17	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Phosphate as PO ₄	APHA 4500 P-C , 22nd Ed: 2012	5 mg/l to 1000 mg/l
18	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Potassium as K	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	10 mg/l to 100 mg/l



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MITCON CONSULTANCY & ENGINEERING SERVICES LTD.(ENVIRONMENTAL LABORATORY), AGRICULTURE COLLEGE CAMPUS, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-5108 Page No. : 3 / 6

Validity 29/12/2018 to 28/12/2020 Last Amended on 01/01/2019

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
19	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Sodium as Na	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	10 mg/l to 100 mg/l
20	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Sulphate as SO ₄	APHA 4500-SO ₄ -- E, 4-190 to 4-191, 22nd Ed: 2012	50 mg/l to 1000 mg/l
21	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Total Chromium as Cr	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	0.25 mg/l to 10 mg/l
22	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Total Dissolved Solids	APHA 2540 C, 2-65 , 22nd Ed: 2012	250 mg/l to 50000 mg/l
23	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Total Solids	APHA 2540 B, 2-64, 22nd Ed: 2012	50 mg/l to 10000 mg/l
24	CHEMICAL-POLLUTION & ENVIRONMENT	Liquid Effluent, Waste water, Sewage water	Zinc as Zn	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	0.25 mg/l to 10 mg/l
25	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Electrical Conductivity	IS 14767:2000, Reaff 2016: 2016	10 μS/cm to 10000 μS/cm
26	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Organic Carbon	Based on Method of soil analysis, Part 2 (90-3) C.A. Black. American Society of Agronomy: 1965	0.1 % to 3.5 %
27	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	pH	IS 2720 (Part 26) 1987, Rev..2, Reaff: 2011	2 to 14



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MITCON CONSULTANCY & ENGINEERING SERVICES LTD.(ENVIRONMENTAL LABORATORY), AGRICULTURE COLLEGE CAMPUS, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-5108 Page No. : 4 / 6

Validity 29/12/2018 to 28/12/2020 Last Amended on 01/01/2019

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
28	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Acidity as CaCO ₃	IS 3025 (Part 22) :1986, Rev.1, Reaff: 2014	5 mg/l to 1000 mg/l
29	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Ammonical Nitrogen as NH ₃	APHA 4500 NH ₃ F, 4-115 to 4-116, 22nd Ed: 2012	0.1 mg/l to 100 mg/l
30	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Biochemical Oxygen Demand (BOD) 3 days at 27 degree C	IS:3025 (Part 44)-1993, Rev.1, Reaffirmed : 2014	1 mg/l to 1000 mg/l
31	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Cadmium as Cd	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	0.003 mg/l to 1 mg/l
32	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Calcium as Ca	APHA 3500 Ca B, 3-67 to 3-68, 22nd Ed: 2012	5 mg/l to 2000 mg/l
33	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Chemical Oxygen Demand (COD)	IS: 3025 (Part 58)-2006 Rev.1, Reaff: 2017	5 mg/l to 1000 mg/l
34	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Chloride as Cl	APHA 4500 Cl-, B, 4-72 to 4-73, 22nd Ed: 2012	5 mg/l to 2000 mg/l
35	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Chromium Hexavalent as Cr ⁶⁺	APHA 3500 Cr B, 3-69 to 3-70, 22nd Ed: 2012	0.02 mg/l to 1 mg/l
36	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Copper as Cu	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	0.04 mg/l to 5 mg/l
37	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Dissolved Oxygen	IS: 3025 (Part-38)-1989, Reaff: 2014	1 mg/l to 20 mg/l
38	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Electrical Conductivity	APHA 2510 B, 2-54 to 2-55, 22nd Ed: 2012	1 to 10000



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MITCON CONSULTANCY & ENGINEERING SERVICES LTD.(ENVIRONMENTAL LABORATORY), AGRICULTURE COLLEGE CAMPUS, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-5108 Page No. : 5 / 6

Validity 29/12/2018 to 28/12/2020 Last Amended on 01/01/2019

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
39	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Fluoride as F	APHA 4500-F- D, 4-87 to 4-88, 22nd Ed: 2012	0.1 mg/l to 100 mg/l
40	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Iron as Fe	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	0.05 mg/l to 5 mg/l
41	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Lead as Pb	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	0.01 mg/l to 10 mg/l
42	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Magnesium as Mg	APHA 3500 Mg B, 3-84, 22nd Ed: 2012	1 mg/l to 1000 mg/l
43	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Manganese as Mn	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	0.1 mg/l to 10 mg/l
44	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Nickel as Ni	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	0.01 mg/l to 5 mg/l
45	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Nitrate as NO ₃	APHA 4500 NO ₃ – B , 22nd Ed: 2012	1 mg/l to 10 mg/l
46	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Nitrite as NO ₂	IS 3025 (Part 34) 1988, Cl. 3, Rev.1, Reaff : 2014	0.05 mg/l to 2 mg/l
47	CHEMICAL- WATER	Drinking water, Ground water, Surface water	pH	APHA 4500 H+, A, 4-91, 22nd Ed: 2012	1 to 14
48	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Phosphate as PO ₄	APHA 4500 P-C , 22nd Ed: 2012	1 mg/l to 20 mg/l
49	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Potassium as K	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	5 mg/l to 50 mg/l



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MITCON CONSULTANCY & ENGINEERING SERVICES LTD.(ENVIRONMENTAL LABORATORY), AGRICULTURE COLLEGE CAMPUS, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-5108 Page No. : 6 / 6

Validity 29/12/2018 to 28/12/2020 Last Amended on 01/01/2019

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
50	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Silica as Si	APHA 4500 SiO ₂ C, 4-167 to 4-168, 22nd Ed: 2012	0.5 mg/l to 25 mg/l
51	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Sodium as Na	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	5 mg/l to 50 mg/l
52	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Sulphate as SO ₄	APHA 4500-SO ₄ -- E, 4-190 to 4-191, 22nd Ed: 2012	10 mg/l to 100 mg/l
53	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Total Chromium as Cr	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	0.03 mg/l to 1 mg/l
54	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Total Dissolved Solids	APHA 2540 C, 2-65, 22nd Ed: 2012	10 mg/l to 2000 mg/l
55	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Total Hardness as CaCO ₃	APHA 2340 C, 2-44 to 2-46, 22nd Ed: 2012	5 mg/l to 1000 mg/l
56	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Total Solids	APHA 2540 B, 2-64, 22nd Ed: 2012	10 mg/l to 10000 mg/l
57	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Turbidity	IS 3025 (Part 10): 1984 -Cl. 1 Reaffirmed: 2017	1 NTU to 100 NTU
58	CHEMICAL- WATER	Drinking water, Ground water, Surface water	Zinc as Zn	APHA 3111 B, 3-18 to 3-21, 22nd Ed (AAS): 2012	0.05 mg/l to 2 mg/l
59	CHEMICAL- WATER	Drinking Water,Ground Water,Surface Water	Total Alkalinity as CaCO ₃	APHA 2320 B,2-34 to 2-35,22nd Ed: 2012	10 mg/l to 1000 mg/l