



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name SAI BIOCARE PVT LTD.(DEPARTMENT OF TESTING), PLOT NO-1789/4898, 2ND FLOOR, NUASAHI, NAYAPALLI, BHUBANESWAR, ODISHA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5107 Page No. : 1 / 7

Validity 29/12/2018 to 28/12/2020 Last Amended on -

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
<b>Permanent Facility</b>					
1	CHEMICAL- WATER	Drinking Water	Aluminium (as Al)	APHA 23rd Edition 3500 Al (B): 2017	0.01 mg/l to 10 mg/l
2	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen	IS 3025 (Part 34): 1988	0.1 mg/l to 50 mg/l
3	CHEMICAL- WATER	Drinking Water	Calcium ( as Ca)	APHA 23rd Edition 3500- Ca (B): 2017	2 mg/l to 1000 mg/l
4	CHEMICAL- WATER	Drinking Water	Chloride (as Cl)	APHA 23rd Edition 4500 Cl- (B): 2017	5 mg/l to 1000 mg/l
5	CHEMICAL- WATER	Drinking Water	Colour	APHA 23rd Edition 2120-B: 2017	5 HU to 70 HU
6	CHEMICAL- WATER	Drinking Water	Conductivity	APHA 23rd Edition 2510-B: 2017	0.001 mS/cm to 150 mS/cm
7	CHEMICAL- WATER	Drinking Water	Dissolve Oxygen	APHA 23rd Edition 4500- O (C): 2017	1 mg/l to 10 mg/l
8	CHEMICAL- WATER	Drinking Water	Fluoride (as F)	APHA 23rd Edition 4500 F- (D): 2017	0.5 mg/l to 10 mg/l
9	CHEMICAL- WATER	Drinking Water	Free Residual Chlorine	APHA 23rd Edition 4500 Cl (B): 2017	1 mg/l to 20 mg/l
10	CHEMICAL- WATER	Drinking Water	Hexavalent chromium	APHA 23rd Edition 3500 Cr (B): 2017	0.1 mg/l to 10 mg/l
11	CHEMICAL- WATER	Drinking Water	Iron (as Fe)	APHA 23rd Edition 3500 Fe (B): 2017	0.01 mg/l to 100 mg/l
12	CHEMICAL- WATER	Drinking Water	Magnesium (as Mg)	APHA 23rd Edition 3500 Mg (B): 2017	2 mg/l to 1000 mg/l
13	CHEMICAL- WATER	Drinking Water	pH	APHA 23rd Edition 4500 H+(B): 2017	1 to 12
14	CHEMICAL- WATER	Drinking Water	Phosphate (total)	APHA 23rd Edition 4500-P (C): 2017	0.01 mg/l to 10 mg/l



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15	CHEMICAL- WATER	Drinking Water	Sulphate(as So <sub>4</sub> )	APHA 23rd Edition 4500-SO <sub>4</sub> (E): 2017	5 mg/l to 1000 mg/l
16	CHEMICAL- WATER	Drinking Water	Total Alkalinity (as CaCO <sub>3</sub> )	IS 3025 (Part 23):2006: 2006	5 mg/l to 1000 mg/l
17	CHEMICAL- WATER	Drinking Water	Total Dissolved Solid	APHA 23rd Edition 2540-C: 2017	10 mg/l to 4000 mg/l
18	CHEMICAL- WATER	Drinking Water	Total Hardness	APHA 23rd Edition 2340- C: 2017	5 mg/l to 2000 mg/l
19	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	APHA 23rd Edition 2540-D: 2017	10 mg/l to 1000 mg/l
20	CHEMICAL- WATER	Ground Water	Aluminium (as Al)	APHA 23rd Edition 3500 Al (B): 2017	0.1 mg/l to 50 mg/l
21	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen	IS 3025 (Part 34):1988: 2009	0.1 mg/l to 50 mg/l
22	CHEMICAL- WATER	Ground Water	Calcium ( as Ca)	APHA 23rd Edition 3500- Ca (B): 2017	2 mg/l to 1000 mg/l
23	CHEMICAL- WATER	Ground Water	Chloride (as Cl)	APHA 23rd Edition 4500 Cl- (B): 2017	5 mg/l to 1000 mg/l
24	CHEMICAL- WATER	Ground Water	Colour	APHA 23rd Edition 2120-B: 2017	5 HU to 70 HU
25	CHEMICAL- WATER	Ground Water	Conductivity	APHA 23rd Edition 2510-B: 2017	0.0001 ms to 150 ms
26	CHEMICAL- WATER	Ground Water	Dissolve Oxygen	APHA 23rd Edition 4500- O (C): 2017	1 mg/l to 10 mg/l
27	CHEMICAL- WATER	Ground Water	Fluoride (as F)	APHA 23rd Edition 4500 F- (D): 2017	0.5 mg/l to 10 mg/l
28	CHEMICAL- WATER	Ground Water	Free Residual Chlorine	APHA 23rd Edition 4500 Cl (B): 2017	1 mg/l to 20 mg/l



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29	CHEMICAL- WATER	Ground Water	Hexavalent chromium	APHA 23rd Edition 3500 Cr (B): 2017	0.1 mg/l to 10 mg/l
30	CHEMICAL- WATER	Ground Water	Iron (as Fe)	APHA 23rd Edition 3500 Fe (B): 2017	0.01 mg/l to 100 mg/l
31	CHEMICAL- WATER	Ground Water	Magnesium (as Mg)	APHA 23rd Edition 3500 Mg (B): 2017	2 mg/l to 1000 mg/l
32	CHEMICAL- WATER	Ground Water	pH	APHA 23rd Edition 4500 H+(B): 2017	1 to 14
33	CHEMICAL- WATER	Ground Water	Phosphate (total)	APHA 23rd Edition 4500-P (C): 2017	0.01 mg/l to 10 mg/l
34	CHEMICAL- WATER	Ground Water	Sulphate(as So4)	APHA 23rd Edition 4500-SO4 (E): 2017	5 mg/l to 1000 mg/l
35	CHEMICAL- WATER	Ground Water	Total Alkalinity (as CaCO3)	IS 3025 (Part 23):2006: 2006	5 mg/l to 1000 mg/l
36	CHEMICAL- WATER	Ground Water	Total Dissolved Solid	APHA 23rd Edition 2540-C: 2017	10 mg/l to 4000 mg/l
37	CHEMICAL- WATER	Ground Water	Total Hardness	APHA 23rd Edition 2340- C: 2017	5 mg/l to 2000 mg/l
38	CHEMICAL- WATER	Ground Water	Total Suspended Solids	APHA 23rd Edition 2540-D: 2017	5 mg/l to 1000 mg/l
39	CHEMICAL- WATER	Industrial Water	Aluminium (as Al)	APHA 23rd Edition 3500 Al (B): 2017	0.01 mg/l to 10 mg/l
40	CHEMICAL- WATER	Industrial Water	Ammonical Nitrogen	IS 3025 (Part 34): 2009	0.1 mg/l to 50 mg/l
41	CHEMICAL- WATER	Industrial Water	BOD	APHA 23rd Edition 5210 (B): 2017	5 mg/l to 10000 mg/l
42	CHEMICAL- WATER	Industrial Water	BOD	IS 3025 Part 44 :2009: 2009	5 mg/l to 10000 mg/l



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43	CHEMICAL- WATER	Industrial Water	Chloride (as Cl)	APHA 23rd Edition 4500 Cl- (B): 2017	5 mg/l to 1000 mg/l
44	CHEMICAL- WATER	Industrial Water	COD	IS 3025 (Part 58):2006: 2006	5 mg/l to 1000 mg/l
45	CHEMICAL- WATER	Industrial Water	Dissolve Oxygen	APHA 23rd Edition 4500- O (C): 2017	1 mg/l to 10 mg/l
46	CHEMICAL- WATER	Industrial Water	Fluoride (as F)	APHA 23rd Edition 4500 F- (D): 2017	0.5 to 10
47	CHEMICAL- WATER	Industrial Water	Free Residual Chlorine	APHA 23rd Edition 4500 Cl- (B): 2017	1 mg/l to 20 mg/l
48	CHEMICAL- WATER	Industrial Water	Iron	APHA 23rd Edition 3500 Fe (B): 2017	0.1 mg/l to 100 mg/l
49	CHEMICAL- WATER	Industrial Water	Oil & Grease	APHA 23rd Edition 5520 (B): 2017	4 mg/l to 100 mg/l
50	CHEMICAL- WATER	Industrial Water	pH	APHA 23rd Edition 4500 H+(B): 2017	1 to 14
51	CHEMICAL- WATER	Industrial Water	Phosphate (total)	APHA 23rd Edition 4500-P (C): 2017	0.01 mg/l to 10 mg/l
52	CHEMICAL- WATER	Industrial Water	Sulphate (as So <sub>4</sub> )	APHA 23rd Edition 4500-SO <sub>4</sub> (E): 2017	5 mg/l to 1000 mg/l
53	CHEMICAL- WATER	Industrial Water	Total Chromium (as Cr)	APHA 23rd Edition 3500 Cr (B): 2017	0.01 mg/l to 3 mg/l
54	CHEMICAL- WATER	Industrial Water	Total Dissolved Solid	APHA 23rd Edition 2540-C: 2017	10 mg/l to 4000 mg/l
55	CHEMICAL- WATER	Industrial Water	Total Suspended Solids	APHA 23rd Edition 2540-D: 2017	10 mg/l to 5000 mg/l
56	CHEMICAL- WATER	Surface Water	Aluminium	APHA 23rd Edition 3500 Al (B): 2017	0.1 mg/l to 50 mg/l



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57	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen	IS 3025 (Part 34): 2009	0.1 mg/l to 50 mg/l
58	CHEMICAL- WATER	Surface Water	Calcium ( as Ca)	APHA 23rd Edition 3500- Ca (B): 2017	2 mg/l to 1000 mg/l
59	CHEMICAL- WATER	Surface Water	Chloride (as Cl)	APHA 23rd Edition 4500 Cl- (B): 2017	5 mg/l to 1000 mg/l
60	CHEMICAL- WATER	Surface Water	Colour	APHA 23rd Edition 2120-B: 2017	5 HU to 70 HU
61	CHEMICAL- WATER	Surface Water	Conductivity	APHA 23rd Edition 2510-B: 2017	0.001 mS/cm to 150 mS/cm
62	CHEMICAL- WATER	Surface Water	Fluoride (as F)	APHA 23rd Edition 4500 F- (D): 2017	0.5 mg/l to 10 mg/l
63	CHEMICAL- WATER	Surface Water	Free Residual Chlorine	APHA 23rd Edition 4500 Cl (B): 2017	1 mg/l to 20 mg/l
64	CHEMICAL- WATER	Surface Water	Hexavalent chromium	APHA 23rd Edition 3500 Cr (B): 2017	0.1 mg/l to 10 mg/l
65	CHEMICAL- WATER	Surface Water	Iron (as Fe)	APHA 23rd Edition 3500 Fe (B): 2017	0.01 mg/l to 100 mg/l
66	CHEMICAL- WATER	Surface Water	Magnesium (as Mg)	APHA 23rd Edition 3500 Mg (B): 2017	2 mg/l to 1000 mg/l
67	CHEMICAL- WATER	Surface Water	pH	APHA 23rd Edition 4500 H+(B): 2017	1 to 14
68	CHEMICAL- WATER	Surface Water	Phosphate (total)	APHA 23rd Edition 4500-P (C): 2017	0.01 mg/l to 10 mg/l
69	CHEMICAL- WATER	Surface Water	Sulphate	APHA 23rd Edition 4500-SO4 (E): 2017	5 mg/l to 1000 mg/l
70	CHEMICAL- WATER	Surface Water	TDS	APHA 23rd Edition 2540-C: 2017	10 mg/l to 400 mg/l



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71	CHEMICAL- WATER	Surface Water	Total Alkalinity (as CaCO <sub>3</sub> )	IS 3025 (Part 23): 2006	5 mg/l to 1000 mg/l
72	CHEMICAL- WATER	Surface Water	Total Hardness	APHA 23rd Edition 2340- C: 2017	5 mg/l to 2000 mg/l
73	CHEMICAL- WATER	Surface Water	Total Suspended Solids	APHA 23rd Edition 2540-D: 2017	5 mg/l to 1000 mg/l
74	CHEMICAL- WATER	Swimming Pool Water	Ammonical Nitrogen	IS 3025 (Part 34): 2009	0.1 mg/l to 50 mg/l
75	CHEMICAL- WATER	Swimming Pool Water	Calcium ( as Ca)	APHA 23rd Edition 3500- Ca (B): 2017	2 mg/l to 1000 mg/l
76	CHEMICAL- WATER	Swimming Pool Water	Chloride (as Cl)	APHA 23rd Edition 4500 Cl- (B): 2017	5 mg/l to 1000 mg/l
77	CHEMICAL- WATER	Swimming Pool Water	Dissolve Oxygen	APHA 23rd Edition 4500- O (C): 2017	1 mg/l to 10 mg/l
78	CHEMICAL- WATER	Swimming Pool Water	Free Residual Chlorine	APHA 23rd Edition 4500 Cl (B): 2017	1 mg/l to 20 mg/l
79	CHEMICAL- WATER	Swimming Pool Water	Hexavalent chromium	APHA 23rd Edition 3500 Cr (B): 2017	0.1 mg/l to 10 mg/l
80	CHEMICAL- WATER	Swimming Pool Water	Magnesium (as Mg)	APHA 23rd Edition 3500 Mg (B): 2017	2 mg/l to 1000 mg/l
81	CHEMICAL- WATER	Swimming Pool Water	pH	APHA 23rd Edition 4500 H+(B): 2017	1 to 14
82	CHEMICAL- WATER	Swimming Pool Water	Sulphate(as So <sub>4</sub> )	APHA 23rd Edition 4500-SO <sub>4</sub> (E): 2017	5 mg/l to 1000 mg/l
83	CHEMICAL- WATER	Swimming Pool Water	Total Alkalinity (as CaCO <sub>3</sub> )	IS 3025 (Part 23): 2006	5 mg/l to 1000 mg/l
84	CHEMICAL- WATER	Swimming Pool Water	Total chromium	APHA 23rd Edition 3500 Cr (B): 2017	0.01 mg/l to 3.0 mg/l



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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
85	CHEMICAL- WATER	Swimming Pool Water	Total Dissolved Solid	APHA 23rd Edition 2540-C: 2017	10 mg/l to 4000 mg/l
86	CHEMICAL- WATER	Swimming Pool Water	Total Hardness(as CaCO <sub>3</sub> )	APHA 23rd Edition 4500-SO <sub>4</sub> (E): 2017	5 mg/l to 1000 mg/l
87	CHEMICAL- WATER	Swimming Pool Water	Total Suspended Solids	APHA 23rd Edition 2540-D: 2017	10 mg/l to 1000 mg/l