National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SILKON BIOTECH PVT. LTD., LANE NO- 3, MAA LAXMI NAGAR, VARANASI, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8594 **Page No** 1 of 24

Validity 26/07/2022 to 25/07/2024 **Last Amended on** 06/01/2023

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	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Sewage Water	Faecal Coliform	IS 1622
2	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Sewage Water	Faecal Streptococci	IS 1622
3	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Sewage Water	Standard Plate Count & Total Plate Count	IS 1622
4	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Sewage Water	Total Coliform	IS 1622
5	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Water	Faecal Coliform	IS 1622
6	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Water	Faecal streptococci	IS 1622
7	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Water	Standard Plate Count, Total Plate Count	IS 1622
8	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Waste Water	Total Coliform	IS 1622
9	BIOLOGICAL- WATER	Borelwell Water/Surface Water	Faecal Streptococci	IS 1622
10	BIOLOGICAL- WATER	Borewell Water / Surface Water	Faecal Coliform	IS 1622
11	BIOLOGICAL- WATER	Borewell Water / Surface Water	Psedomonas Aeruginosa	IS 13428 Annexura D
12	BIOLOGICAL- WATER	Borewell Water / Surface Water	Total Aerobic,Total Plate Count at 22 Degree C	IS 5402
13	BIOLOGICAL- WATER	Borewell Water / Surface Water	Total Aerobic,Total Plate Count at 37 Degree Celsius	IS 5402
14	BIOLOGICAL- WATER	Borewell Water / Surface Water	Total Coliform	IS 1622
15	BIOLOGICAL- WATER	Borewell Water/Surface Water	E.Coli	IS 1622
16	BIOLOGICAL- WATER	Borewell Water/Surface Water	Standard Plate Count & Total Plate Count	IS 1622
17	BIOLOGICAL- WATER	Packaged Drinking Water	Psedomonas Aeruginosa in 250 ml	IS 13428 Annexure D

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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
18	BIOLOGICAL- WATER	Packaged Drinking Water	Total Aerobic,Total Plate Count at 22 Degree Celsius	IS 5402
19	BIOLOGICAL- WATER	Packaged Drinking Water	Total Aerobic,Total Plate Count at 37 Degree Celsius at 37 Degree Celsius	IS 5402
20	BIOLOGICAL- WATER	RO Water / Tap Water	Faecal Coliform	IS 1622
21	BIOLOGICAL- WATER	RO Water / Tap Water	Faecal Streptococci	IS 1622
22	BIOLOGICAL- WATER	RO Water / Tap Water	Pseudomonas Aeruginosa	IS 13428
23	BIOLOGICAL- WATER	RO Water / Tap Water	Standard Plate Count	IS 1622
24	BIOLOGICAL- WATER	RO Water / Tap Water	Total Aerobic, Total Plate Count at 22 Degree Celsius	IS 5402
25	BIOLOGICAL- WATER	RO Water / Tap Water	Total Aerobic,Total Plate Count at 37 Degree Celsius	IS 5402
26	BIOLOGICAL- WATER	RO Water/ Tap Water	Total Coliform	IS 1622
27	BIOLOGICAL- WATER	Swiming Pool Water	Standard Plate Count	IS 3328
28	BIOLOGICAL- WATER	Swiming Pool Water / Spas Water	Faecal Coliform	IS 1622
29	BIOLOGICAL- WATER	Swiming Pool Water / Spas Water	Total Coliform	IS 1622
30	BIOLOGICAL- WATER	Water for Food Industry / Raw Water	Faecal Coliform	IS 1622
31	BIOLOGICAL- WATER	Water for Food Industry / Raw Water	Faecal Streptococci	IS 1622
32	BIOLOGICAL- WATER	Water for Food Industry / Raw Water	Standard Plate Count & Total Plate Count	IS 1622
33	BIOLOGICAL- WATER	Water for Food Industry / Raw Water	Total Coliform	IS 1622
34	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	IS 5182 (Part-25)
35	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Arsenic	Guidelines for The Measurement of Ambient air pollutants (CPCB) Page No. 48-55
36	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Benzene	IS:5182 (Part 11)
37	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Benzo(a) Pyrene	IS:5182 (Part-12)
38	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Carbon Monoxide	IS:5182 (Part-10)
39	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead	IS 5182 (Part-22)

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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
40	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel	IS 5182 (Part-26)
41	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Oxides	IS 5182 (Part 6)
42	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone	IS 5182 (Part-9)
43	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM 2.5 - Particulate matter	IS 5182 (Part-24)
44	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM10 - Particulate matter	IS 5182 (Part 23)
45	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	SOx	IS 5182 (Part 2)
46	CHEMICAL- ATMOSPHERIC POLLUTION	assessment of noise wrt community response	Ambient Noise level	IS 9989
47	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Ammonia	IS 11255 (Part-6)
48	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Cadmium	USEPA Method 29 By AAS
49	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Dioxide	IS 13270
50	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Monoxide	IS 13270
51	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Lead	USEPA Method 29 By AAS
52	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Mercury	USEPA Method-29 By AAS
53	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Nickel	USEPA Method 29, By AAS:2021
54	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	NOx	IS 11255 (Part 7)
55	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxygen	IS 13270
56	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	PM	IS 11255 (Part 1)
57	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	SOx	IS 11255 (Part 2)

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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
58	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Ammonia	Method Manual Soil Testing in India - Ministry of Agriculture Government of India
59	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Boron	Method Manual Soil Testing in India - Ministry of Agriculture Government of India
60	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Copper	Method Manual Soil Testing in India - Ministry of Agriculture Government of India
61	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Iron	Method Manual Soil Testing in India - Ministry of Agriculture Government of India
62	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Manganese	Method Manual Soil Testing in India - Ministry of Agriculture Government of India
63	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Nickel	Method Manual Soil Testing in India - Ministry of Agriculture Government of India
64	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Nitrate	Method Manual Soil Testing in India - Ministry of Agriculture Government of India
65	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Phosphorus	Ministry of Agriculture Government of India
66	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Sodium	Ministry of Agriculture Government of India
67	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Sulphur	Ministry of Agriculture Government of India
68	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Zinc	Ministry of Agriculture Government of India
69	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Bulk Density	Ministry of Agriculture Government of India
70	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Electrical Conductivity	IS 14767
71	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Moisture Content	Method Manual Soil Testing in India - Ministry of Agriculture Government of India
72	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Carbon	Ministry of Agriculture Government of India

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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
73	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Matter	Method Manual Soil Testing in India - Ministry of Agriculture Government of India
74	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH	IS 2720 (Part-26)
75	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Potassium	Ministry of Agriculture Government of India
76	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Aluminium	IS 3025 (Part 53)
77	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammonia	IS 3025 (Part 34)
78	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	BOD	IS 3025 (Part 44)
79	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium	IS 3025 (Part 40)
80	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride	IS 3025 (Part 32)
81	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	COD	IS 3025 (Part 58)
82	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen	IS 3025 (Part 38)
83	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Electrical Conductivity	IS 3025 (Part 14)
84	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluoride	IS 3025 (Part 60)
85	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium	IS 3025 (Part 46)
86	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil and grease	IS 3025 (Part 39)
87	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	IS 3025 (Part 11)
88	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphate	IS 3025 (Part 31)
89	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Silica	IS 3025 (Part 35)
90	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate	IS 3025 (Part 24)

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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
91	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	TDS	IS 3025 (Part 16)
92	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Alkalinity	IS 3025 (Part 23)
93	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Hardness	IS 3025 (Part 21)
94	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Solids	IS 3025 (Part 15)
95	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	TSS	IS 3025 (Part 17)
96	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Turbidity	IS 3025 (Part 10)
97	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/ Sewage Water	Nitrate	IS 3025 (Part 34)
98	CHEMICAL- RESIDUES IN WATER	Borewell Water / Water for Processed Food Industry / Water for Swimming Pool / Water for Industrial Purpose / Ground Water	Chromium Hexavalent	IS 3025 (Part-52)
99	CHEMICAL- RESIDUES IN WATER	Borewell Water / Water for Processed Food Industry / Water for Swimming Pool / Water for Industrial Purpose / Ground Water.	Cadmium	APHA 23rd Edition, 3111B Pg.3-20
100	CHEMICAL- RESIDUES IN WATER	Borewell Water / Water for Processed Food Industry / Water for Swimming Pool / Water for Industrial Purpose / Ground Water.	Chromium	APHA 23rd Edition, 3111B Pg.3-20
101	CHEMICAL- RESIDUES IN WATER	Borewell Water / Water for Processed Food Industry / Water for Swimming Pool / Water for Industrial Purpose / Ground Water.	Chromium Hexavalent	IS 3025 (Part-52)
102	CHEMICAL- RESIDUES IN WATER	Borewell Water / Water for Processed Food Industry / Water for Swimming Pool / Water for Industrial Purpose / Ground Water.	Copper	APHA 23rd Edition, 3111B Pg.3-20
103	CHEMICAL- RESIDUES IN WATER	Borewell Water / Water for Processed Food Industry / Water for Swimming Pool / Water for Industrial Purpose / Ground Water.	Iron	APHA 23rd Edition, 3111B Pg.3-20
104	CHEMICAL- RESIDUES IN WATER	Borewell Water / Water for Processed Food Industry / Water for Swimming Pool / Water for Industrial Purpose / Ground Water.	Lead	APHA 23rd Edition, 3111B Pg.3-20
105	CHEMICAL- RESIDUES IN WATER	Borewell Water / Water for Processed Food Industry / Water for Swimming Pool / Water for Industrial Purpose / Ground Water.	Manganese	APHA 23rd Edition, 3111B Pg.3-20

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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
106	CHEMICAL- RESIDUES IN WATER	Borewell Water / Water for Processed Food Industry / Water for Swimming Pool / Water for Industrial Purpose / Ground Water.	Mercury	APHA 23rd Edition, 3112B Pg. 3-25
107	CHEMICAL- RESIDUES IN WATER	Borewell Water / Water for Processed Food Industry / Water for Swimming Pool / Water for Industrial Purpose / Ground Water.	Nickel	APHA 23rd Edition, 3111B Pg.3-20
108	CHEMICAL- RESIDUES IN WATER	Borewell Water / Water for Processed Food Industry / Water for Swimming Pool / Water for Industrial Purpose / Ground Water.	Potassium	APHA 23rd Edition, Pg. 3-89
109	CHEMICAL- RESIDUES IN WATER	Borewell Water / Water for Processed Food Industry / Water for Swimming Pool / Water for Industrial Purpose / Ground Water.	Selenium	APHA 23rd Edition, 3114B & 3114C Pg. 3-36 to 3-41
110	CHEMICAL- RESIDUES IN WATER	Borewell Water / Water for Processed Food Industry / Water for Swimming Pool / Water for Industrial Purpose / Ground Water.	Sodium	APHA 23rd Edition, 3500B Pg. 3-99
111	CHEMICAL- RESIDUES IN WATER	Borewell Water / Water for Processed Food Industry / Water for Swimming Pool / Water for Industrial Purpose / Ground Water.	Zinc	APHA 23rd Edition, 3111B Pg.3-20
112	CHEMICAL- RESIDUES IN WATER	Cooling Tower Water	Iron	APHA 23rd Edition (3111B Pg. 3-20)
113	CHEMICAL- RESIDUES IN WATER	Drinkind Water	Aluminium	IS 3025 Part 55
114	CHEMICAL- RESIDUES IN WATER	Drinkind Water	Arsenic	APHA 23rd Edition, 3114B & 3114C Pg.3-36 to 3-41
115	CHEMICAL- RESIDUES IN WATER	Drinkind Water	Cadmium	APHA 23rd Edition, 3111B Pg.3-20
116	CHEMICAL- RESIDUES IN WATER	Drinkind Water	Chromium	APHA 23rd Edition, 3111B Pg.3-20
117	CHEMICAL- RESIDUES IN WATER	Drinkind Water	Copper	APHA 23rd Edition, 3111B Pg.3-20
118	CHEMICAL- RESIDUES IN WATER	Drinkind Water	hexavalent Chromium	IS 3025 (PART-52)
119	CHEMICAL- RESIDUES IN WATER	Drinkind Water	Lead	APHA 23rd Edition, 3111B Pg.3-20
120	CHEMICAL- RESIDUES IN WATER	Drinkind Water	Manganese	APHA 23rd Edition, 3111B Pg.3-20
121	CHEMICAL- RESIDUES IN WATER	Drinkind Water	Mercury	APHA 23rd Edition, 3112B Pg.3-25
122	CHEMICAL- RESIDUES IN WATER	Drinkind Water	Nickel	APHA 23rd Edition, 3112B Pg.3-20

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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
123	CHEMICAL- RESIDUES IN WATER	Drinkind Water	Potassium	APHA 23rd Edition, 3500B Pg.3-89
124	CHEMICAL- RESIDUES IN WATER	Drinkind Water	Selenium	APHA 23rd Edition, 3500B Pg.3-89
125	CHEMICAL- RESIDUES IN WATER	Drinkind Water	Sodium	APHA 23rd Edition, 3500B Pg.3-99
126	CHEMICAL- RESIDUES IN WATER	Drinkind Water	Zinc	APHA 23rd Edition, 3111B Pg.3-20
127	CHEMICAL- RESIDUES IN WATER	Drinking Water	IRON	APHA 23rd Edition, 3111B Pg.3-20
128	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	2,4 DDT	US-EPA-515.1
129	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	2,4 Dichlorophenoxyacetic acid	US-EPA-515.1
130	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	4,4 DDD	US-EPA-508
131	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	4,4 DDE	US-EPA- 508
132	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	4,4 DDT	US-EPA-3510C & 8270 D

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133	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Alachlor	US-EPA-525.2, 507
134	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Aldrine / Dieldrine	US-EPA-508
135	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Alpha HCH	US-EPA-508
136	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Atrazine	US-EPA-525.2, 8141A
137	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Beta HCH	US-EPA-508
138	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Butachlor	US-EPA-525.2 & 8141A
139	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Chloropyrifos	US-EPA-525.2 & 8141 A

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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
140	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	DDT (o,p and p,p- Isomers of DDT, DDE, DDD)	US-EPA-508
141	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water For Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Delta HCH	US-EPA-508
142	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Endosulfan (Alpha, Beta and Sulphate)	US-EPA-508
143	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Gamma HCH (Lindane)	US-EPA-508
144	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Isoproturon	US-EPA-532
145	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Malathion	US-EPA-8141 A
146	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Methyl Parathion	US-EPA-8141 A

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147	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Monocrotophos	US-EPA-8141A
148	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Phorate	US-EPA-8141 A
149	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Polychlorinated Biphenyl (PCB's)	ASTM D 5175
150	CHEMICAL- RESIDUES IN WATER	Drinking Water, Ground Water/Surface Water, Packaged Drinking Water, Packaged Mineral Water, Water Purifier, Packaged Natural Mineral Water, Water for Processed Food Industry, Demineralized Water, Water for Swimming Pool, Water for Industrial Purpose, Waste Water, RO Water, Tap Water, Borewell Water	Polynuclear Aromatic Hydrocarbon (PAH)	APHA 23rd Ed. 6440B
151	CHEMICAL- RESIDUES IN WATER	Ground Water / Borewell Water / Water for Processed Food Industry / Water for Swimming Pool / Water for Industrial Purpose	Aluminium	IS 3025 (Part-55)
152	CHEMICAL- RESIDUES IN WATER	Ground Water / Borewell Water / Water for Processed Food Industry / Water for Swimming Pool / Water for Industrial Purpose.	Arsenic	APHA 23rd Edition, 3114B & 3114C Pg. 3-36 to 3-40
153	CHEMICAL- RESIDUES IN WATER	River Water / Pond Water	Aluminium	IS 3025 (Part-55)
154	CHEMICAL- RESIDUES IN WATER	River Water / Pond Water	Arsenic	APHA 23rd Edition (3114 B & 3114 C, Pg. 3-36 to 3-41)
155	CHEMICAL- RESIDUES IN WATER	River Water / Pond Water	Cadmium	APHA 23rd Edition (3111 B, Pg. 3-20)
156	CHEMICAL- RESIDUES IN WATER	River Water / Pond Water	Chromium	APHA 23rd Edition (3111 B, Pg. 3-20)
157	CHEMICAL- RESIDUES IN WATER	River Water / Pond Water	Chromiun Hexavalent	IS 3025 (Part-52)
158	CHEMICAL- RESIDUES IN WATER	River Water / Pond Water	Copper	APHA 23rd Edition (3111 B, Pg. 3-20)

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159	CHEMICAL- RESIDUES IN WATER	River Water / Pond Water	Iron	APHA 23rd Edition (3111 B, Pg. 3-20)
160	CHEMICAL- RESIDUES IN WATER	River Water / Pond Water	Lead	APHA 23rd Edition (3111 B, Pg. 3-20)
161	CHEMICAL- RESIDUES IN WATER	River Water / Pond Water	Manganese	APHA 23rd Edition (3111 B, Pg. 3-20)
162	CHEMICAL- RESIDUES IN WATER	River Water / Pond Water	Mercury	APHA 23rd Edition (3112 B, Pg. 3-25)
163	CHEMICAL- RESIDUES IN WATER	River Water / Pond Water	Nickel	APHA 23rd Edition (3112 B, Pg. 3-20)
164	CHEMICAL- RESIDUES IN WATER	River Water / Pond Water	Potassium	APHA 23rd Edition (3500 B, Pg. 3-89)
165	CHEMICAL- RESIDUES IN WATER	River Water / Pond Water	Selenium	APHA 23rd Edition (3500 B, Pg. 3-89)
166	CHEMICAL- RESIDUES IN WATER	River Water / Pond Water	Sodium	APHA 23rd Edition (3500 B, Pg. 3-99)
167	CHEMICAL- RESIDUES IN WATER	River Water / Pond Water	Zinc	APHA 23rd Edition (3111 B, Pg. 3-20)
168	CHEMICAL- RESIDUES IN WATER	RO Water / Packaged Drinking Water / Packaged Mineral Water.	Aluminium	IS 3025 (Part-55)
169	CHEMICAL- RESIDUES IN WATER	RO Water / Packaged Drinking Water / Packaged Mineral Water.	Arsenic	APHA 23rd Edition, 3114B & 3114C Pg.3-36 to 3-40
170	CHEMICAL- RESIDUES IN WATER	RO Water / Packaged Drinking Water / Packaged Mineral Water.	Cadmium	APHA 23rd Edition, 3111B Pg.3-20
171	CHEMICAL- RESIDUES IN WATER	RO Water / Packaged Drinking Water / Packaged Mineral Water.	Chromium	APHA 23rd Edition, 3111B Pg. 3-20
172	CHEMICAL- RESIDUES IN WATER	RO Water / Packaged Drinking Water / Packaged Mineral Water.	Iron	APHA 23rd Edition, 3111B Pg. 3-20
173	CHEMICAL- RESIDUES IN WATER	RO Water / Packaged Drinking Water / Packaged Mineral Water.	Lead	APHA 23rd Edition, 3111B Pg. 3-20
174	CHEMICAL- RESIDUES IN WATER	RO Water / Packaged Drinking Water / Packaged Mineral Water.	Manganese	APHA 23rd Edition, 3111B Pg. 3-20
175	CHEMICAL- RESIDUES IN WATER	RO Water / Packaged Drinking Water / Packaged Mineral Water.	Mercury	APHA 23rd Edition, 3112B Pg. 3-25
176	CHEMICAL- RESIDUES IN WATER	RO Water / Packaged Drinking Water / Packaged Mineral Water.	Nickel	APHA 23rd Edition, 3111B Pg.3-20
177	CHEMICAL- RESIDUES IN WATER	RO Water / Packaged Drinking Water / Packaged Mineral Water.	Potassium	APHA 23rd Edition, 3500B Pg. 3-20

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178	CHEMICAL- RESIDUES IN WATER	RO Water / Packaged Drinking Water / Packaged Mineral Water.	Selenium	APHA 23rd Edition, 3114B & 3114C pg. 3-36 to 3-41
179	CHEMICAL- RESIDUES IN WATER	RO Water / Packaged Drinking Water / Packaged Mineral Water.	Sodium	APHA 23rd Edition, 3500B Pg. 3-99
180	CHEMICAL- RESIDUES IN WATER	RO Water / Packaged Drinking Water / Packaged Mineral Water.	Zinc	APHA 23rd Edition, 3111B Pg.3-20
181	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluent / Sewage)	Aluminium	IS 3025 (Part-55)
182	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluent / Sewage)	Arsenic	APHA 23rd Edition, 3114B & 3114C Pg. 3-36 to 3-40
183	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluent / Sewage)	Cadmium	APHA 23rd Edition, 3111B Pg. 3-20
184	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluent / Sewage)	Chromium	APHA 23rd Edition, 3111B Pg. 3-20
185	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluent / Sewage)	Copper	APHA 23rd Edition, 3111B Pg. 3-20
186	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluent / Sewage)	Iron	APHA 23rd Edition, 3111B Pg. 3-20
187	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluent / Sewage)	Lead	APHA 23rd Edition, 3111B Pg. 3-20
188	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluent / Sewage)	Manganese	APHA 23rd Edition, 3111B Pg. 3-20
189	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluent / Sewage)	Mercury	APHA 23rd Edition, 3112B Pg. 3-25
190	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluent / Sewage)	Nickel	APHA 23rd Edition, 3111B Pg. 3-20
191	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluent / Sewage)	Potassium	APHA 23rd Edition, 3500B Pg. 3-89
192	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluent / Sewage)	Selenium	APHA 23rd Edition, 3114B & 3114C Pg. 3-36 to Pg. 3-41
193	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluent / Sewage)	Sodium	APHA 23rd Edition, 3500B Pg. 3-99
194	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluent / Sewage)	Zinc	APHA 23rd Edition, 3111B Pg. 3-20
195	CHEMICAL- SOLID FUELS	Coal	Ash (Air Dry Basis)	IS 1350 (Part-1)
196	CHEMICAL- SOLID FUELS	Coal	Ash Content (At Equilibrated Basis)	IS 1350 (Part-1)

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197	CHEMICAL- SOLID FUELS	Coal	Ash Content (On As Recived Basis)	IS 1350 (Part-1)
198	CHEMICAL- SOLID FUELS	Coal	Carbon (ARB) On As Received Basis	IS 1350 (Part-4/S-1)Clause 5.1
199	CHEMICAL- SOLID FUELS	Coal	Carbon (On Air Dry Basis)	IS 1350 (Part-4/s-1) Clause 5.1
200	CHEMICAL- SOLID FUELS	Coal	Fix carbon (Air Dry Basis)	IS 1350 (Part-1)
201	CHEMICAL- SOLID FUELS	Coal	Fix Carbon (At Equilibrated Basis)	IS 1350 (Part-1)
202	CHEMICAL- SOLID FUELS	Coal	Fix Carbon (On As Received Basis)	IS 3025 (Part-1)
203	CHEMICAL- SOLID FUELS	Coal	Gross calorific value (Air Dry Basis)	IS 1350 (Part-2)
204	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value (At Equilibrated Basis)	IS 1350 (Part-2)
205	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value (On As Recived Basis)	IS 1350 (Part-2)
206	CHEMICAL- SOLID FUELS	Coal	Hydrogen (ADB) (On Air Dry Basis)	IS 1350 (Part-4/S-1) Clause 5.1
207	CHEMICAL- SOLID FUELS	Coal	Hydrogen (ARB) (On As Received Basis)	IS 1350 (Part-4/S-1) Clause 5.1
208	CHEMICAL- SOLID FUELS	Coal	Moisture Content (Air dry basis)	IS 1350 (Part-1)
209	CHEMICAL- SOLID FUELS	Coal	Moisture Content (On As Recived Basis)	IS 1350 (Part-1)
210	CHEMICAL- SOLID FUELS	Coal	Moisture in equilibrated sample (60 % RH at 40 Degree Celsius)	IS 1350 (Part-1)
211	CHEMICAL- SOLID FUELS	Coal	Nitrogen (ADB) (On Air Dry Basis)	IS 1350 (Part-4/S-2) Clause 5.1
212	CHEMICAL- SOLID FUELS	Coal	Nitrogen (ARB) (On As Received Basis)	IS 1350 (Part-4/S-2) Clause 5.1
213	CHEMICAL- SOLID FUELS	Coal	Sulphur	IS 1350 (Part-3)
214	CHEMICAL- SOLID FUELS	Coal	Total moisture	IS 1350 (Part-1)
215	CHEMICAL- SOLID FUELS	Coal	Volatile Matter (Air Dry Basis)	IS 1350 (Part 1)
216	CHEMICAL- SOLID FUELS	Coal	Volatile Matter (At Equilibrated Basis)	IS 1350 (Part-1)
217	CHEMICAL- SOLID FUELS	Coal	Volatile Matter (On As Received Basis)	IS 1350 (Part-1)

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218	CHEMICAL- WATER	Boiler Water	Acidity	IS 3025 (Part-22)
219	CHEMICAL- WATER	Boiler Water	Calcium	IS 3025 (Part-40)
220	CHEMICAL- WATER	Boiler Water	Chloride	IS 3025 (Part-32)
221	CHEMICAL- WATER	Boiler Water	Magnesium	IS 3025 (Part-46)
222	CHEMICAL- WATER	Boiler Water	Nitrate	IS 3025 (Part-34)
223	CHEMICAL- WATER	Boiler Water	pH	IS 3025 (Part-11)
224	CHEMICAL- WATER	Boiler Water	Phosphate	IS 3025 (Part-31)
225	CHEMICAL- WATER	Boiler Water	Silica	IS 3025 (Part-35)
226	CHEMICAL- WATER	Boiler Water	Specific Conductance	IS 3025 (Part-14)
227	CHEMICAL- WATER	Boiler Water	Sulphate	IS 3025 (Part-24)
228	CHEMICAL- WATER	Boiler Water	TDS	IS 3025 (Part-16)
229	CHEMICAL- WATER	Boiler Water	Total Alkalinity	IS 3025 (Part-23)
230	CHEMICAL- WATER	Boiler Water	Total Hardness	IS 3025 (Part-21)
231	CHEMICAL- WATER	Boiler Water	Turbidity	IS 3025 (Part-10)
232	CHEMICAL- WATER	Cooling Tower Water	Acidity	IS 3025 (Part-22)
233	CHEMICAL- WATER	Cooling Tower Water	Ammonia	IS 3025 (Part-34)
234	CHEMICAL- WATER	Cooling Tower Water	Calcium	IS 3025 (Part-40)
235	CHEMICAL- WATER	Cooling Tower Water	Carbon Dioxide	IS 3025 (Part-61)
236	CHEMICAL- WATER	Cooling Tower Water	Chloride	IS 3025 (Part-32)
237	CHEMICAL- WATER	Cooling Tower Water	COD	IS 3025 (Part-58)
238	CHEMICAL- WATER	Cooling Tower Water	Conductivity	IS 3025 (Part-14)
239	CHEMICAL- WATER	Cooling Tower Water	Magnesium	IS 3025 (Part-46)
240	CHEMICAL- WATER	Cooling Tower Water	Nitrate	IS 3025 (Part-34)
241	CHEMICAL- WATER	Cooling Tower Water	pH	IS 3025 (Part-11)
242	CHEMICAL- WATER	Cooling Tower Water	Residual Chlorine	IS 3025 (Part-26)
243	CHEMICAL- WATER	Cooling Tower Water	Silica	IS 3025 (Part-35)
244	CHEMICAL- WATER	Cooling Tower Water	Sulphate	IS 3025 (Part-24)
245	CHEMICAL- WATER	Cooling Tower Water	Total Alkalinity	IS 3025 (Part-23)
246	CHEMICAL- WATER	Cooling Tower Water	Total Dissolved Solids	IS 3025 (Part-16)
247	CHEMICAL- WATER	Cooling Tower Water	Total Hardness	IS 3025 (Part-21)

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248	CHEMICAL- WATER	Cooling Tower Water	Turbidity	IS 3025 (Part-10)
249	CHEMICAL- WATER	DM Water / Distilled Water	Electrical Conductivity	IS 3025 (Part-14)
250	CHEMICAL- WATER	DM Water / Distilled Water	Iron	APHA 23rd Edition, 3111B Pg. 3-20
251	CHEMICAL- WATER	DM Water / Distilled Water	pH	IS 3025 (Part-11)
252	CHEMICAL- WATER	DM Water / Distilled Water	Phosphate	IS 3025 (Part-31)
253	CHEMICAL- WATER	DM Water / Distilled Water	Silica	IS 3025 (Part-35)
254	CHEMICAL- WATER	DM Water / Distilled Water	Total Dissolved Solids	IS 3025 (Part-16)
255	CHEMICAL- WATER	DM Water / Distilled Water	Turbidity	IS 3025 (Part-10)
256	CHEMICAL- WATER	Drinking Water	Acidity	IS 3025 (Part 22)
257	CHEMICAL- WATER	Drinking Water	Alkalinity	IS 3025 (Part 23)
258	CHEMICAL- WATER	Drinking Water	Ammonia as Total Ammonia-N	Is 3025 (Part-34)
259	CHEMICAL- WATER	Drinking Water	Anionic Detergent	IS 13428 (Annuxer-K)
260	CHEMICAL- WATER	Drinking Water	BOD (3 Days at 27 °C Temperature)	IS 3025 (Part-44)
261	CHEMICAL- WATER	Drinking Water	Boron	IS 3025 (Part-57)
262	CHEMICAL- WATER	Drinking Water	Calcium as (Ca)	IS 3025 (Part 40)
263	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025 (Part 32)
264	CHEMICAL- WATER	Drinking Water	COD	IS 3025 (Part-58)
265	CHEMICAL- WATER	Drinking Water	Colloidal Silica	IS 3025 (Part-35)
266	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part 4)
267	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen(DO)	IS 3025 (Part-38)
268	CHEMICAL- WATER	Drinking Water	Fluoride as (F)	APHA 23rd Edition (4500 D, pg. 4-90 to 4-91)
269	CHEMICAL- WATER	Drinking Water	Free Carbon Dioxide	IS 3025 (Part-61)
270	CHEMICAL- WATER	Drinking Water	Iodine	APHA 23rd Edi.
271	CHEMICAL- WATER	Drinking Water	Magnesium as (Mg)	IS 3025 (Part-46)
272	CHEMICAL- WATER	Drinking Water	Nitrate (NO3)	IS 3025 (Part 34)
273	CHEMICAL- WATER	Drinking Water	Nitrite	IS 3025 (Part-34)
274	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
275	CHEMICAL- WATER	Drinking Water	Ozone Residual	IS 3025 (Part-36)
276	CHEMICAL- WATER	Drinking Water	pH value	IS 3025 (Part 11)

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277	CHEMICAL- WATER	Drinking Water	Phenolic Compound	IS 3025 (Part-43)
278	CHEMICAL- WATER	Drinking Water	Phosphate	IS 3025(Part-31)
279	CHEMICAL- WATER	Drinking Water	Residual Chlorine	IS 3025 (Part 26)
280	CHEMICAL- WATER	Drinking Water	Silica	IS 3025 (Part 35)
281	CHEMICAL- WATER	Drinking Water	Specific Conductance	IS 3025 (PART-14)
282	CHEMICAL- WATER	Drinking Water	Sulfide as H2S	APHA 23rd Edition (4500 F. pg. 4-187)
283	CHEMICAL- WATER	Drinking Water	Sulphate	IS 3025 (Part-24)
284	CHEMICAL- WATER	Drinking Water	Sulphite	IS 3025 (Part-28)
285	CHEMICAL- WATER	Drinking Water	TDS	IS 3025 (Part-16)
286	CHEMICAL- WATER	Drinking Water	Temperature	IS 3025 (PART-9)
287	CHEMICAL- WATER	Drinking Water	Total Hardness as (CaCO3)	IS 3025 (Part 21)
288	CHEMICAL- WATER	Drinking Water	Total solids	IS 3025(Part-15)
289	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	IS 3025 (Part 17)
290	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part-10)
291	CHEMICAL- WATER	Drinking Water	Volatile and Fixed Residue / Organic & Inorganic Solids	IS 3025 (PART-18)
292	CHEMICAL- WATER	Feed Water	Acidity	IS 3025 (Part-22)
293	CHEMICAL- WATER	Feed Water	Ammonia	IS 3025 (Part-34)
294	CHEMICAL- WATER	Feed Water	Calcium	IS 3025 (Part-40)
295	CHEMICAL- WATER	Feed Water	Chloride	IS 3025 (Part-32)
296	CHEMICAL- WATER	Feed Water	Magnesium	IS 3025 (Part-46)
297	CHEMICAL- WATER	Feed Water	Nitrate	IS 3025 (Part-34)
298	CHEMICAL- WATER	Feed Water	pH	IS 3025 (Part-11)
299	CHEMICAL- WATER	Feed Water	Silica	IS 3025 (Part-57)
300	CHEMICAL- WATER	Feed Water	Specific Conductance	IS 3025 (Part-14)
301	CHEMICAL- WATER	Feed Water	Sulphate	IS 3025 (Part-24)
302	CHEMICAL- WATER	Feed Water	TDS	IS 3025 (Part-16)
303	CHEMICAL- WATER	Feed Water	Total Alkalinity	IS 3025 (Part-23)
304	CHEMICAL- WATER	Feed Water	Total Hardness	IS 3025 (Part-21)
305	CHEMICAL- WATER	Feed Water	Turbidity	IS 3025 (Part-10)

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306	CHEMICAL- WATER	Ground Water / Borewell	pH	IS 3025 (Part-11)
307	CHEMICAL- WATER	Ground Water / Borewell	Specific Conductance	IS 3025 (Part-14)
308	CHEMICAL- WATER	Ground Water / Borewell	Total Solids	IS 3025 (Part 15)
309	CHEMICAL- WATER	Ground Water / Borewell	Turbidity	IS 3025 (Part-10)
310	CHEMICAL- WATER	Ground Water / Borewell Water	Acidity	IS 3025 (Part-22)
311	CHEMICAL- WATER	Ground Water / Borewell Water	Ammonia	IS 3025 (Part-34)
312	CHEMICAL- WATER	Ground Water / Borewell Water	Anionic Detergent	IS 13428 (Annuxer-K)
313	CHEMICAL- WATER	Ground Water / Borewell Water	BOD (3 Days at 27 °C Temperature)	IS 3025 (Part-44)
314	CHEMICAL- WATER	Ground Water / Borewell Water	Boron	IS 3025 (Part-57)
315	CHEMICAL- WATER	Ground Water / Borewell Water	Calcium	IS 3025 (Part-40)
316	CHEMICAL- WATER	Ground Water / Borewell Water	Chemical Oxygen Demand (COD)	IS 3025 (Part-58)
317	CHEMICAL- WATER	Ground Water / Borewell Water	Chloride	IS 3025 (Part-32)
318	CHEMICAL- WATER	Ground Water / Borewell Water	Colidal Silica	IS 3025 (Part-35)
319	CHEMICAL- WATER	Ground Water / Borewell Water	Colour	IS 3025 (Part-4)
320	CHEMICAL- WATER	Ground Water / Borewell Water	Dissolved Oxygen	IS 3025 (Part-38)
321	CHEMICAL- WATER	Ground Water / Borewell Water	Fluoride	APHA 23rd Edition (4500 D, pg. 4-90 to 4-91)
322	CHEMICAL- WATER	Ground Water / Borewell Water	Free Carcon Dioxide	IS 3025 (Part-61)
323	CHEMICAL- WATER	Ground Water / Borewell Water	Magnesium	IS 3025 (Part 46)
324	CHEMICAL- WATER	Ground Water / Borewell Water	Nitrate	IS 3025 (Part-34)
325	CHEMICAL- WATER	Ground Water / Borewell Water	Nitrite	IS 3025 (Part-34)
326	CHEMICAL- WATER	Ground Water / Borewell Water	Odour	IS 3025 (Part 5)
327	CHEMICAL- WATER	Ground Water / Borewell Water	Phenolic Compound	IS 3025 (Part-43)
328	CHEMICAL- WATER	Ground Water / Borewell Water	Phosphate	IS 3025 (Part 31)
329	CHEMICAL- WATER	Ground Water / Borewell Water	Residual Chlorine	IS 3025 (Part-26)
330	CHEMICAL- WATER	Ground Water / Borewell Water	Silica	IS 3025 (Part-35)
331	CHEMICAL- WATER	Ground Water / Borewell Water	Sulphate	IS 3025 (Part-24)
332	CHEMICAL- WATER	Ground Water / Borewell Water	Sulphide	APHA 23rd Edition (4500 F, pg. 4-187)
333	CHEMICAL- WATER	Ground Water / Borewell Water	Sulphites	IS 3025 (Part-28)

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334	CHEMICAL- WATER	Ground Water / Borewell Water	Temperature	IS 3025 (Part-9)
335	CHEMICAL- WATER	Ground Water / Borewell Water	Total Alkalinity	IS 3025 (Part-23)
336	CHEMICAL- WATER	Ground Water / Borewell Water	Total Dissolved Solids	IS 3025 (Part-16)
337	CHEMICAL- WATER	Ground Water / Borewell Water	Total Hardness	IS 3025 (Part 21)
338	CHEMICAL- WATER	Ground Water / Borewell Water	Total Suspended Solids	IS 3025 (Part 17)
339	CHEMICAL- WATER	Ground Water / Borewell Water	Volatile and Ficed Residue / Organic & Inorganic Solids	IS 3025 (Part-18)
340	CHEMICAL- WATER	Packaged Drinking Water	Acidity	IS 3025 (Part-22)
341	CHEMICAL- WATER	Packaged Drinking Water	Ammonia	IS 3025 (Part-34)
342	CHEMICAL- WATER	Packaged Drinking Water	Anionic Detergent	IS 13428 (Annuxer-K)
343	CHEMICAL- WATER	Packaged Drinking Water	Boron	IS 3025 (Part-57)
344	CHEMICAL- WATER	Packaged Drinking Water	Calcium	IS 3025 (Part-40)
345	CHEMICAL- WATER	Packaged Drinking Water	Chloride	IS 3025 (Part-32)
346	CHEMICAL- WATER	Packaged Drinking Water	Dissolved Oxygen	IS 3025 (Part-38)
347	CHEMICAL- WATER	Packaged Drinking Water	Fluoride	APHA 23rd Edition (4500 D, pg. 4-90 to 4-91)
348	CHEMICAL- WATER	Packaged Drinking Water	Magnesium	IS 3025 (Part-46)
349	CHEMICAL- WATER	Packaged Drinking Water	Nitrate	IS 3025 (Part-34)
350	CHEMICAL- WATER	Packaged Drinking Water	Nitrite	IS 3025 (Part-34)
351	CHEMICAL- WATER	Packaged Drinking Water	Odour	IS 3025 (Part-5)
352	CHEMICAL- WATER	Packaged Drinking Water	pH	IS 3025 (Part-11)
353	CHEMICAL- WATER	Packaged Drinking Water	Phenolic Compound	IS 3025 (Part43)
354	CHEMICAL- WATER	Packaged Drinking Water	Phosphate	IS 3025 (Part-31)
355	CHEMICAL- WATER	Packaged Drinking Water	Residual Chlorine	IS 3025 (Part-26)
356	CHEMICAL- WATER	Packaged Drinking Water	Silica	IS 3025 (Part-35)
357	CHEMICAL- WATER	Packaged Drinking Water	Specific Conductance	IS 3025 (Part-14)
358	CHEMICAL- WATER	Packaged Drinking Water	Sulphate	IS 3025 (Part-24)
359	CHEMICAL- WATER	Packaged Drinking Water	Sulphide	APHA 23rd Edition (4500 F, pg. 4-187)
360	CHEMICAL- WATER	Packaged Drinking Water	Temperature	IS 3025 (Part-9)
361	CHEMICAL- WATER	Packaged Drinking Water	Total Alkalinity	IS 3025 (Part-23)
362	CHEMICAL- WATER	Packaged Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)

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363	CHEMICAL- WATER	Packaged Drinking Water	Total Hardness	IS 3025 (Part-21)
364	CHEMICAL- WATER	Packaged Drinking Water	Total Solids	IS 3025 (Part-15)
365	CHEMICAL- WATER	Packaged Drinking Water	Total Suspended Solids	IS 3025 (Part 17)
366	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	IS 3025 (Part-10)
367	CHEMICAL- WATER	Packaged Natural Mineral Water	Acidity	IS 3025 (Part-22)
368	CHEMICAL- WATER	Packaged Natural Mineral Water	Ammonia	IS 3025 (Part-34)
369	CHEMICAL- WATER	Packaged Natural Mineral Water	Anionic Detergent	IS 13428 (Annuxer-K)
370	CHEMICAL- WATER	Packaged Natural Mineral Water	Boron	IS 3025 (Part-57)
371	CHEMICAL- WATER	Packaged Natural Mineral Water	Calcium	IS 3025 (Part-40)
372	CHEMICAL- WATER	Packaged Natural Mineral Water	Chloride	IS 3025 (Part-32)
373	CHEMICAL- WATER	Packaged Natural Mineral Water	Colour	IS 3025 (Part-4)
374	CHEMICAL- WATER	Packaged Natural Mineral Water	Dissolved Oxygen	IS 3025 (Part-38)
375	CHEMICAL- WATER	Packaged Natural Mineral Water	Fluoride	APHA 23rd Edition (4500 D, pg. 4-90 to 4-91)
376	CHEMICAL- WATER	Packaged Natural Mineral Water	Magnesium	IS 3025 (Part-46)
377	CHEMICAL- WATER	Packaged Natural Mineral Water	Nitrate	IS 3025 (Part-34)
378	CHEMICAL- WATER	Packaged Natural Mineral Water	Odour	IS 3025 (Part-5)
379	CHEMICAL- WATER	Packaged Natural Mineral Water	pH	IS 3025 (Part-11)
380	CHEMICAL- WATER	Packaged Natural Mineral Water	Phenolic Compounds	IS 3025 (Part-43)
381	CHEMICAL- WATER	Packaged Natural Mineral Water	Phosphate	IS 3025 (Part-31)
382	CHEMICAL- WATER	Packaged Natural Mineral Water	Residual Chlorine	IS 3025 (Part-26)
383	CHEMICAL- WATER	Packaged Natural Mineral Water	Silica	IS 3025 (Part-35)
384	CHEMICAL- WATER	Packaged Natural Mineral Water	Specific Conductance	IS 3025 (Part-14)
385	CHEMICAL- WATER	Packaged Natural Mineral Water	Sulphate	IS 3025 (Part-24)
386	CHEMICAL- WATER	Packaged Natural Mineral Water	Sulphide	APHA 23rd Edition (4500 F, pg. 4-187)
387	CHEMICAL- WATER	Packaged Natural Mineral Water	Temperature	IS 3025 (Part-9)
388	CHEMICAL- WATER	Packaged Natural Mineral Water	Total Alkalinity	IS 3025 (Part-23)
389	CHEMICAL- WATER	Packaged Natural Mineral Water	Total Dissolved Solids	IS 3025 (Part-16)
390	CHEMICAL- WATER	Packaged Natural Mineral Water	Total Hardness	IS 3025 (Part-21)
391	CHEMICAL- WATER	Packaged Natural Mineral Water	Total Solids	IS 3025 (Part-15)

SCOPE OF ACCREDITATION

Laboratory Name : SILKON BIOTECH PVT. LTD., LANE NO- 3, MAA LAXMI NAGAR, VARANASI, UTTAR PRADESH, INDIA

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392	CHEMICAL- WATER	Packaged Natural Mineral Water	Total Suspended Solids	IS 3025 (Part-17)
393	CHEMICAL- WATER	Packaged Natural Mineral Water	Turbidity	IS 3025 (Part-10)
394	CHEMICAL- WATER	River Water / Pond Water	Acidity	IS 3025 (Part-22)
395	CHEMICAL- WATER	River Water / Pond Water	Ammonia	IS 3025 (Part-34)
396	CHEMICAL- WATER	River Water / Pond Water	BOD (3 Days at 27 °C Temperature)	IS 3025 (Part-44)
397	CHEMICAL- WATER	River Water / Pond Water	Boron	IS 3025 (Part-57)
398	CHEMICAL- WATER	River Water / Pond Water	Calcium	IS 3025 (Part-40)
399	CHEMICAL- WATER	River Water / Pond Water	Chemical Oxygen Demand (COD)	IS 3025 (Part-58)
400	CHEMICAL- WATER	River Water / Pond Water	Chloride	IS 3025 (Part-32)
401	CHEMICAL- WATER	River Water / Pond Water	Colour	IS 3025 (Part-4)
402	CHEMICAL- WATER	River Water / Pond Water	Dissolved Oxygen	IS 3025 (Part-38)
403	CHEMICAL- WATER	River Water / Pond Water	Fluoride	APHA 23rd Edition (4500 D, pg. 4-90 to 4-91)
404	CHEMICAL- WATER	River Water / Pond Water	Magnesium	IS 3025 (Part-46)
405	CHEMICAL- WATER	River Water / Pond Water	Nitrate	IS 3025 (Part-34)
406	CHEMICAL- WATER	River Water / Pond Water	Nitrite	IS 3025 (Part-34)
407	CHEMICAL- WATER	River Water / Pond Water	Odour	IS 3025 (Part-5)
408	CHEMICAL- WATER	River Water / Pond Water	pH	IS 3025 (Part-11)
409	CHEMICAL- WATER	River Water / Pond Water	Phenolic Compound	IS 3025 (Part-43)
410	CHEMICAL- WATER	River Water / Pond Water	Phosphate	IS 3025 (Part-31)
411	CHEMICAL- WATER	River Water / Pond Water	Residual Chloride	IS 3025 (Part-26)
412	CHEMICAL- WATER	River Water / Pond Water	Silica	IS 3025 (Part-35)
413	CHEMICAL- WATER	River Water / Pond Water	Specific Conductivity	IS 3025 (Part-14)
414	CHEMICAL- WATER	River Water / Pond Water	Sulphate	IS 3025 (Part-24)
415	CHEMICAL- WATER	River Water / Pond Water	Sulphide	APHA 23rd Edition (4500 F, pg. 4-187)
416	CHEMICAL- WATER	River Water / Pond Water	Total Alkalinity	IS 3025 (Part-23)
417	CHEMICAL- WATER	River Water / Pond Water	Total Dissoved Solids	IS 3025 (Part-16)
418	CHEMICAL- WATER	River Water / Pond Water	Total Hardness	IS 3025 (Part-21)
419	CHEMICAL- WATER	River Water / Pond Water	Total Solids	IS 3025 (Part-15)

SCOPE OF ACCREDITATION

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420	CHEMICAL- WATER	River Water / Pond Water	Total Suspended Solids	IS 3025 (Part-17)
421	CHEMICAL- WATER	River Water / Pond Water	Turbidity	IS 3025 (Part-10)
422	CHEMICAL- WATER	Water for construction purpose	Acidity, neutralize 100 ml sample of water Sample, using 1 ml phenolphthalein as an indicator, of 0.02 Normal NaOH.	IS 3025 (Part-22)
423	CHEMICAL- WATER	Water for construction purpose	Alkalinity, neutralize 100 ml sample of water Sample, useing Mixed indicator, of 0.02 Normal H2SO4.	IS 3025 (Part-23)
424	CHEMICAL- WATER	Water for construction purpose	Chloride	IS 3025 (Part-32)
425	CHEMICAL- WATER	Water for construction purpose	Inorganic Matter	IS 3025 (Part-18)
426	CHEMICAL- WATER	Water for construction purpose	Organic Matter	IS 3025 (Part-18)
427	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 (Part-11)
428	CHEMICAL- WATER	Water for construction purpose	Sulphate as SO3	IS 3025 (Part-24)
429	CHEMICAL- WATER	Water for construction purpose	Suspended Mattaer	IS 3025 (Part-17)
430	CHEMICAL- WATER	Water for Storage Batteries	Acidity	IS 3025 (Part-22)
431	CHEMICAL- WATER	Water for Storage Batteries	Alkalinity	IS 3025 (Part-23)
432	CHEMICAL- WATER	Water for Storage Batteries	pH	IS 3025 (Part-11)
433	CHEMICAL- WATER	Water for Storage Batteries	Phosphate	IS 3025 (Part-31)
434	CHEMICAL- WATER	Water for Storage Batteries	Silica	IS 3025 (Part-35)
435	CHEMICAL- WATER	Water for Storage Batteries	Specific Conductance	IS 3025 (Part-14)
436	CHEMICAL- WATER	Water for Storage Batteries	TDS	IS 3025 (Part-16)
437	CHEMICAL- WATER	Water for Storage Batteries	Total Hardness	IS 3025 (Part-21)
438	CHEMICAL- WATER	Water for Storage Batteries	Turbidity	IS 3025 (Part-10)
439	CHEMICAL- WATER	Water for Swimming Pool	Chloride	IS 3025 (Part-32)
440	CHEMICAL- WATER	Water for Swimming Pool	Colour	IS 3025 (Part-4)
441	CHEMICAL- WATER	Water for Swimming Pool	Odour	IS 3025 (Part-5)
442	CHEMICAL- WATER	Water for Swimming Pool	Oxygen Absorbe in 4 hours at 27 degree Celsius	IS 3025 (Part-63)
443	CHEMICAL- WATER	Water for Swimming Pool	pH	IS 3025 (Part-11)
444	CHEMICAL- WATER	Water for Swimming Pool	Residual Chlorine	IS 3025 (Part-26)
445	CHEMICAL- WATER	Water for Swimming Pool	Total Alkalinity	IS 3025 (Part-23)

SCOPE OF ACCREDITATION

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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
446	CHEMICAL- WATER	Water for Swimming Pool	Total Dissolved Solids	IS 3025 (Part-16)
447	CHEMICAL- WATER	Water for Swimming Pool	Turbidity	IS 3025 (Part-10)
448	CHEMICAL- WATER	Water from Water Purifiers	Ammonia	IS 3025 (Part-34)
449	CHEMICAL- WATER	Water from Water Purifiers	Boron	IS 3025 (Part-57)
450	CHEMICAL- WATER	Water from Water Purifiers	Calcium	IS 3025 (Part-40)
451	CHEMICAL- WATER	Water from Water Purifiers	Chloride	IS 3025 (Part-32)
452	CHEMICAL- WATER	Water from Water Purifiers	Colour	IS 3025 (Part-4)
453	CHEMICAL- WATER	Water from Water Purifiers	Fluoride	APHA 23rd Edition (4500 D, pg. 4-90 to 4-91)
454	CHEMICAL- WATER	Water from Water Purifiers	Magnesium	IS 3025 (Part-46)
455	CHEMICAL- WATER	Water from Water Purifiers	Odour	IS 3025 (Part-5)
456	CHEMICAL- WATER	Water from Water Purifiers	pH	IS 3025 (Part-11)
457	CHEMICAL- WATER	Water from Water Purifiers	Phosphate	IS 3025 (Part-31)
458	CHEMICAL- WATER	Water from Water Purifiers	Specific Conductance	IS 3025 (Part-14)
459	CHEMICAL- WATER	Water from Water Purifiers	Sulphate	IS 3025 (Part-24)
460	CHEMICAL- WATER	Water from Water Purifiers	Total Alkalinity	IS 3025 (Part-23)
461	CHEMICAL- WATER	Water from Water Purifiers	Total Dissolved Solids	IS 3025 (Part-16)
462	CHEMICAL- WATER	Water from Water Purifiers	Total Hardness	IS 3025 (Part-21)
463	CHEMICAL- WATER	Water from Water Purifiers	Turbidity	IS 3025 (Part-10)
464	CHEMICAL- WATER	Water used in Processed Food Industry	Ammonia	IS 3025 (Part-34)
465	CHEMICAL- WATER	Water used in Processed Food Industry	Boron	IS 3025 (Part-57)
466	CHEMICAL- WATER	Water used in Processed Food Industry	Calcium	IS 3025 (Part-40)
467	CHEMICAL- WATER	Water used in Processed Food Industry	Chloride	IS 3025 (Part-32)
468	CHEMICAL- WATER	Water used in Processed Food Industry	Colour	IS 3025 (Part-4)
469	CHEMICAL- WATER	Water used in Processed Food Industry	Dissolved Oxygen	IS 3025 (Part-38)
470	CHEMICAL- WATER	Water used in Processed Food Industry	Fluoride	APHA 23rd Edition (4500 D, pg. 4-90 to 4-91)
471	CHEMICAL- WATER	Water used in Processed Food Industry	Magnesium	IS 3025 (Part-46)
472	CHEMICAL- WATER	Water used in Processed Food Industry	Nitrate	IS 3025 (Part-34)
473	CHEMICAL- WATER	Water used in Processed Food Industry	Odour	IS 3025 (Part-5)
474	CHEMICAL- WATER	Water used in Processed Food Industry	Phosphate	IS 3025 (Part-31)

SCOPE OF ACCREDITATION

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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
475	CHEMICAL- WATER	Water used in Processed Food Industry	Residual Chlorine	IS 3025 (Part-26)
476	CHEMICAL- WATER	Water used in Processed Food Industry	Silica	IS 3025 (Part-35)
477	CHEMICAL- WATER	Water used in Processed Food Industry	Specific Conductance	IS 3025 (Part-14)
478	CHEMICAL- WATER	Water used in Processed Food Industry	Sulphate	IS 3025 (Part-24)
479	CHEMICAL- WATER	Water used in Processed Food Industry	Sulphide	APHA 23rd Edition (4500 F, pg. 4-187)
480	CHEMICAL- WATER	Water used in Processed Food Industry	Total Alkalinity	IS 3025 (Part-23)
481	CHEMICAL- WATER	Water used in Processed Food Industry	Total Dissolved Solids	IS 3025 (Part-16)
482	CHEMICAL- WATER	Water used in Processed Food Industry	Total Hardness	IS 3025 (Part-21)
483	CHEMICAL- WATER	Water used in Processed Food Industry	Total Solids	IS 3025 (Part-15)
484	CHEMICAL- WATER	Water used in Processed Food Industry	Total Suspended Solids	IS 3025 (Part-17)
485	CHEMICAL- WATER	Water used in Processed Food Industry	Turbidity	IS 3025 (Part-10)

NOTE- The Laboratory has demonstrated competence for the stated scope for WATER. This however does not fully cover the specification requirements of BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428.