



WATER AND WASTEWATER ANALYSIS PARAMETERS

S.No.	Test Parameters
1	pH
2	Ammoniacal Nitrogen (as NH ₃ -N)
3	Bicarbonate Alkalinity (as CaCO ₃)
4	Biochemical Oxygen Demand (BOD) at 27°C for 3 Days
5	Calcium (as Ca)
6	Calcium Hardness (as CaCO ₃)
7	Carbonate Alkalinity (as CaCO ₃)
8	Carbonate Hardness (as CaCO ₃)
9	Caustic Alkalinity (as CaCO ₃)
10	Chemical Oxygen Demand (COD)
11	Chloramines
12	Chloride (as Cl ⁻)
13	Colour
14	Colour Retention of KMnO ₄ at 27°C
15	Dissolved Oxygen (as O ₂)
16	Dissolved Phosphorus (as P)
17	Electrical Conductivity (EC)
18	Fluoride (as F ⁻)
19	Free Ammonia (as NH ₃)
20	Free Carbon - Dioxide (as CO ₂)
21	Free Residual Chlorine (as Cl ₂)
22	Hexavalent Chromium (as Cr ⁶⁺)
23	Hydrazine (as N ₂ H ₄)
24	Hydroxide Alkalinity (as CaCO ₃)
25	Inorganic Solids
26	Iron (as Fe)
27	Kjeldahl Nitrogen (as N)
28	Magnesium (as Mg)
29	Magnesium Hardness (as CaCO ₃)
30	Methyl Orange Alkalinity (as CaCO ₃)
31	Mixed Liquor Suspended Solids (MLSS)
32	Nitrate Nitrogen (as NO ₃)
33	Nitrite Nitrogen (as NO ₂)

S.No.	Test Parameters
34	Non - Carbonate Hardness (as CaCO ₃)
35	Non-Volatile Residue
36	Oil and Grease
37	Organic Nitrogen (as N _{org})
38	Oxidizable Matter
39	Oxygen absorbed in 4 hours
40	Percent Sodium
41	Phenolic Compounds (as C ₆ H ₅ OH)
42	Phenolphthalein Alkalinity (as CaCO ₃)
43	Potassium (as K)
44	Residual Sodium Carbonate
45	Settleable Solids
46	Silica (as SiO ₂)
47	Sodium (as Na)
48	Sodium Absorption Ratio (SAR)
49	Sulphate (as SO ₄)
50	Sulphide (as S)
51	Suspended Matter
52	Temperature
53	To neutralize 100 ml sample of water using mixed indicator with 0.02N H ₂ SO ₄
54	To neutralize 100 ml sample of water using phenolphthalein indicator with 0.02N NaOH
55	Total Alkalinity (as CaCO ₃)
56	Total Dissolved Solids (TDS)
57	Total Hardness (as CaCO ₃)
58	Total Phosphorus (as P)
59	Total Solids (TS)
60	Total Suspended Solids (TSS)
61	Total Suspended Volatile Solids (MLVSS)
62	Turbidity
63	Aeration Water Microorganisms observation using Microscope
64	Determination of Iodine Adsorption Value of Activated Carbon
65	Jar Test
66	Mineral Oil
67	Residual Sodium Sulphite
68	Arsenic (as As)
69	Aluminium (as Al)
70	Anionic Detergents (as MBAS)
71	Antimony (as Sb)
72	Barium (as Ba)
73	Boron (as B)

S.No.	Test Parameters
74	Cadmium (as Cd)
75	Copper (as Cu)
76	Cyanide (as CN)
77	Lead (as Pb)
78	Manganese (as Mn)
79	Mercury (as Hg)
80	Molybdenum (as Mo)
81	Nickel (as Ni)
82	Odour
83	Pesticides
84	Poly Nuclear Aromatic Hydrocarbons (as PAHs)
85	Polychlorinated Biphenyls (as PCBs)
86	Selenium (as Se)
87	Silver (as Ag)
88	Taste
89	Total Chromium (as Cr)
90	Zinc (as Zn)
91	Clostridium perfringens
92	E.coli MPN/100 mL
93	Enterococci/Faecal Streptococci
94	Faecal coliform MPN/100 mL
95	Legionella (Present or Absent/100 mL)
96	Pseudomonas aeruginosa
97	Salmonella
98	Shigella
99	Standard Plate Count cfu/mL
100	Staphylococcus aureus
101	Sulphite reducing anaerobes
102	Total coliform MPN/100 mL
103	Viable count 24 hrs
104	Viable count 72 hrs
105	Vibrio Cholera & Vibrio Parahaemolyticus
106	Yeast and Mould

Note:

1. Serial No. 1 to 62 are covered under our NABL scope
2. Serial No. 63 to 67 are NOT covered under our NABL scope
3. Serial No. 68 to 106 are outsourced with other NABL accredited laboratory
4. Test Method - IS, APHA or equivalent (validated test method)
5. GST18% extra applicable
6. SAC Code - 998346 (Technical Testing and Analysis Services)