

University of Asia Pacific
 Environmental Engineering Laboratory
 Department of Civil Engineering
 Monthly water quality parameter report

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Prepared by: Dr. Tanveer Ferdous Saeed
Associate Professor and Lab-in-charge
Environmental Engg. Lab, Department of Civil Engg.

SL No	Water Quality Parameters	Unit	Concentration		Bangladesh Standard for Drinking Water (ECR, 1997)	Remarks
			Filter Water	Tap Water		
1	pH		7.47	7.49	6.5-8.5	OK
2	Color	Pt-Co	1.0	2	15	OK
3	Turbidity	JTU	0.39	11	10	Tap not OK
4	Alkalinity (as CaCO ₃)	mg/L	127	130	---	
5	Iron	mg/L	0.02	0.40	0.3-1.0	OK
6	Electrical Conductivity (EC)	μS/cm	429	419	---	---
7	Dissolve Oxygen (DO)	mg/L	6.99	6.63	6	OK
8	Total Hardness (as CaCO ₃)	mg/L	132	147	200-500	Despite lower than the guideline, it is not harmful.
9	Chloride (Cl ⁻)	mg/L	82	110.2	150-600	
10	Chemical Oxygen Demand (COD)	mg/L	1	2	4	OK
11	Total Dissolved Solids	mg/L	202	202	1000	OK
12	Suspended Solids	mg/L	0	5.0	10	OK
13	Ammonia Nitrogen (NH ₃ -N)	mg/L	0.02	0.9	0.5	Tap water not OK, harmful for aquatic lives.
14	Nitrite Nitrogen (NO ₂ -N)	mg/L	0.004	0.005	<1.0	OK
15	Nitrate Nitrogen (NO ₃ -N)	mg/L	0.06	0.08	10	OK
16	Sulfate (SO ₄ ²⁻)	mg/L	3.0	4.0	400	OK
17	Phosphate (PO ₄)	mg/L	0	0.3	6	OK
18	Free Chlorine	mg/L	0	0	0.2	OK
19	Temperature	°C	23.9	23.8	20-30	OK
20	Fecal Coliform (E. Coli)	CFU/100 mL	Not measured		0	