

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

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SL No	Water Quality Parameters	Unit	Concentration		Bangladesh Standard for Drinking Water (ECR, 1997)	Remarks
			<i>Civil Filter</i>	<i>CafeFilter</i>		
1	pH		6.51	6.59	6.5-8.5	OK
2	Color	Pt-Co	0.0	0	15	OK
3	Turbidity	JTU	1.17	1.21	10	OK
4	Alkalinity (as CaCO ₃)	mg/L	122	63	---	
5	Iron	mg/L	0.0	0.0	0.3-1.0	OK
6	Electrical Conductivity (EC)	μS/cm	448	74.1	---	---
7	Dissolve Oxygen (DO)	mg/L	6.43	7.09	6	OK
8	Total Hardness (as CaCO ₃)	mg/L	153	70	200-500	OK
9	Chloride (Cl ⁻)	mg/L	98	25	150-600	OK
10	Chemical Oxygen Demand (COD)	mg/L	0	0	4	OK
11	Total Dissolved Solids	mg/L	217	22	1000	OK
12	Suspended Solids	mg/L	0.0	0.0	10	OK
13	Ammonia Nitrogen (NH ₃ -N)	mg/L	0.06	0.05	0.5	OK
14	Nitrite Nitrogen (NO ₂ -N)	mg/L	0.009	0.004	<1.0	OK
15	Nitrate Nitrogen (NO ₃ -N)	mg/L	0.2	0.3	10	OK
16	Sulfate (SO ₄ ²⁻)	mg/L	2.0	1.0	400	OK
17	Phosphate (PO ₄)	mg/L	0.0	0.0	6	OK
18	Free Chlorine	mg/L	0.01	0.01	0.2	OK
19	Temperature	°C	20.4	20.5	20-30	OK
20	Fecal Coliform (E. Coli)	CFU/100 mL	0	0	0	OK

Samples Analyzed By: Md. Shahadat Hossain, Laboratory Assistant, Environmental Engineering Laboratory