

**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		7.18	7.23	6.5-8.5	OK
2	Color	Pt-Co	2	4	15	OK
3	Turbidity	JTU	0.5	0.6	10	OK
4	Alkalinity (as CaCO <sub>3</sub> )	mg/L	120	128	---	---
5	Iron	mg/L	0.3	0.3	0.3-1.0	OK
6	Electrical Conductivity (EC)	μS/cm	523	41.8	---	---
7	Dissolve Oxygen (DO)	mg/L	7.31	7.26	6	OK
8	Total Hardness (as CaCO <sub>3</sub> )	mg/L	90	95	200-500	OK
9	Chloride (Cl <sup>-</sup> )	mg/L	112	130	150-600	OK
10	Chemical Oxygen Demand (COD)	mg/L	0	0	4	OK
11	Total Dissolved Solids	mg/L	150	141	1000	OK
12	Suspended Solids	mg/L	0.0	0.0	10	OK
13	Ammonia Nitrogen (NH <sub>3</sub> -N)	mg/L	0.03	0.04	0.5	OK
14	Nitrite Nitrogen (NO <sub>2</sub> -N)	mg/L	0.009	0.007	<1.0	OK
15	Nitrate Nitrogen (NO <sub>3</sub> -N)	mg/L	1	0.8	10	OK
16	Sulfate (SO <sub>4</sub> <sup>2-</sup> )	mg/L	8	0	400	OK
17	Phosphate (PO <sub>4</sub> )	mg/L	0.0	0.0	6	OK
18	Free Chlorine	mg/L	0.0	0.0	0.2	OK
19	Temperature	°C	25.3	25.3	20-30	OK
20	Fecal Coliform (E. Coli)	CFU/100 mL	0.0	0.0	0	OK

*Samples Analyzed By: Md. Shahadat Hossain, Technician, Environmental Engineering and Chemistry Laboratory*