

**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
			Filter Water	Cafe Water		
1	pH		6.90	6.55	6.5-8.5	OK
2	Color	Pt-Co	0.0	0.0	15	OK
3	Turbidity	JTU	0.0	0.0	10	OK
4	Alkalinity (as CaCO <sub>3</sub> )	mg/L	165	59	---	
5	Iron	mg/L	0.03	0.03	0.3-1.0	OK
6	Electrical Conductivity (EC)	μS/cm	402	164.9	---	---
7	Dissolve Oxygen (DO)	mg/L	5.94	5.54	6	OK
8	Total Hardness (as CaCO <sub>3</sub> )	mg/L	164	60	200-500	OK
9	Chloride (Cl <sup>-</sup> )	mg/L	97.1	45.5	150-600	OK
10	Chemical Oxygen Demand (COD)	mg/L	3	2	4	OK
11	Total Dissolved Solids	mg/L	193.7	78.7	1000	OK
12	Suspended Solids	mg/L	0.0	0.0	10	OK
13	Ammonia Nitrogen (NH <sub>3</sub> -N)	mg/L	0.05	0.01	0.5	OK
14	Nitrite Nitrogen (NO <sub>2</sub> -N)	mg/L	0.005	0.004	<1.0	OK
15	Nitrate Nitrogen (NO <sub>3</sub> -N)	mg/L	0.5	0.5	10	OK
16	Sulfate (SO <sub>4</sub> <sup>2-</sup> )	mg/L	8.0	0.0	400	OK
17	Phosphate (PO <sub>4</sub> )	mg/L	0.0	0.0	6	OK
18	Free Chlorine	mg/L	0.01	0.01	0.2	OK
19	Temperature	°C	27.4	27.4	20-30	OK
20	Fecal Coliform (E. Coli)	CFU/100 mL	<b>500.0</b>	<b>14000.0</b>	0	<b>Not OK</b>

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