

**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
			<i>Civil Filter</i>	<i>CafeFilter</i>		
1	pH		7.14	6.54	6.5-8.5	OK
2	Color	Pt-Co	0.0	4	15	OK
3	Turbidity	JTU	1.14	0.41	10	OK
4	Alkalinity (as CaCO <sub>3</sub> )	mg/L	157	41	---	
5	Iron	mg/L	0.01	0.0	0.3-1.0	OK
6	Electrical Conductivity (EC)	μS/cm	426	31	---	---
7	Dissolve Oxygen (DO)	mg/L	6.55	6.93	6	OK
8	Total Hardness (as CaCO <sub>3</sub> )	mg/L	161	78	200-500	OK
9	Chloride (Cl <sup>-</sup> )	mg/L	105.11	12	150-600	OK
10	Chemical Oxygen Demand (COD)	mg/L	0	0	4	OK
11	Total Dissolved Solids	mg/L	210.8	14.28	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	0.15	0.5	OK
14	Nitrite Nitrogen (NO <sub>2</sub> -N)	mg/L	0.004	0.005	<1.0	OK
15	Nitrate Nitrogen (NO <sub>3</sub> -N)	mg/L	0.4	0.8	10	OK
16	Sulfate (SO <sub>4</sub> <sup>2-</sup> )	mg/L	6.0	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	21.5	21.4	20-30	OK
20	Fecal Coliform (E. Coli)	CFU/100 mL	0	0	0	OK

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