

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

Date: December 4, 2018

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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		6.67	6.56	6.5-8.5	OK
2	Color	Pt-Co	1	1	≤ 15	OK
3	Turbidity	JTU	0.0	0.0	≤10	OK
4	Alkalinity (as CaCO ₃)	mg/L	137	18	---	---
5	Iron	mg/L	0.02	0.01	≤ 0.3-1.0	OK
6	Electrical Conductivity (EC)	μS/cm	484	27.1	---	---
7	Dissolve Oxygen (DO)	mg/L	6.91	6.07	6	OK
8	Total Hardness (as CaCO ₃)	mg/L	189	12	≤ 200-500	OK
9	Chloride (Cl ⁻)	mg/L	130	20	≤ 150-600	OK
10	Chemical Oxygen Demand (COD)	mg/L	0	0	≤ 4	OK
11	Total Dissolved Solids	mg/L	237	12.85	≤ 1000	OK
12	Suspended Solids	mg/L	0.0	0.0	≤ 10	OK
13	Ammonia Nitrogen (NH ₃ -N)	mg/L	0.09	0.03	≤ 0.5	OK
14	Nitrite Nitrogen (NO ₂ -N)	mg/L	0.005	0.005	≤ 1.0	OK
15	Nitrate Nitrogen (NO ₃ -N)	mg/L	1.0	0.6	≤ 10	OK
16	Sulfate (SO ₄ ²⁻)	mg/L	12	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	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