

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

Month: March, 2017

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SL No	Water Quality Parameters	Unit	Concentration		Bangladesh Standard for Drinking Water (ECR, 1997)	Remarks
			Filter Water	Tap Water		
1	pH		7.74	7.82	6.5-8.5	
2	Color	Pt-Co	11	15	15	
3	Turbidity	JTU	3	2.21	10	
4	Alkalinity (as CaCO ₃)	mg/L	170	178	---	
5	Iron	mg/L	0.02	0.15	0.3-1.0	
6	Electrical Conductivity (EC)	μS/cm	356	350	---	
7	Dissolve Oxygen (DO)	mg/L	6.76	8.11	6	
8	Total Hardness (as CaCO ₃)	mg/L	140	118	200-500	
9	Chloride (Cl ⁻)	mg/L	51.1	58.1	150-600	
10	Chemical Oxygen Demand (COD)	mg/L	0	0	4	
11	Total Dissolved Solids	mg/L	171.3	168.4	1000	
12	Suspended Solids	mg/L	1	1	10	
13	Ammonia Nitrogen (NH ₃ -N)	mg/L	0.04	0.15	0.5	
14	Nitrite Nitrogen (NO ₂ -N)	mg/L	2	1	<1.0	
15	Nitrate Nitrogen (NO ₃ -N)	mg/L	0.3	0.3	10	
16	Sulfate (SO ₄ ²⁻)	mg/L	2	2	400	
17	Phosphate (PO ₄)	mg/L	0.3	0.5	6	
18	Free Chlorine	mg/L	0	0	0.2	
19	Temperature	°C			20-30	
20	Fecal Coliform (E. Coli)	CFU/100 mL	0	0	0	