



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 22-07-2024

Test No: 1839

Weather: Cloudy

Sl No.	Water Quality Parameters	Units	Frequency	BDS for Drinking Water (ECR-1997)	Instrument / Method	River Water	IPR Water	Raw water	Post-sedimentation / Pre-filters Water	Post-filters / Pre-Treated Water	Post-Treated Water
						Sampling Time: 09:45 AM	Sampling Time: 09:55 AM	Sampling Time: 10:20 AM	Sampling Time: 10:48 AM	Sampling Time: 11:00 AM	Sampling Time: 11:10 AM
1	Temperature	°C	day	20-30	HI-98107/ Electrometric			26.8	27.2	27.6	27.4
2	pH		day	6.5-8.5				7.9	7.5	7.6	7.6
3	Turbidity	NTU	day	<1 NTU	WTW PhotoFlex Turb	595	122	121	1.74	0.36	0.22
4	Color	pt-co	day	15	Orion AQ3700/ Photometric			500	23	18	9
5	Suspended Solid	mg/L	day	...				548	112	112	2
6	Taste and Odour		day	Odorless	Manual			Dirty Smell	No Objectionable	No Objectionable	No Objectionable
7	Total Aluminium	mg/L	Once a week	0.2	Eriochrome Cyanine R Method1						0.011
8	Total Manganese	mg/L	Once a week	0.1	1-(2-Pyridylazo)-2-Naphthol PAN						0.021
9	Total Iron	mg/L	Once a week	0.3-1.0	USEPA 1 FerroVer Method						0.01
10	Total residual chlorine	mg/L	Twice a week	0.2-0.4	USEPA DPD Method1						0.29
11	Chloride	ppm	day	150-600	Mercuric Nitrate Titration	30	50				50
12	Total Dissolved Solids	ppm	day	1000	Orion Star™ A222 & A322	99.6	122.1				126.4

Remark: