



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 05-08-2024

Test No: 1853

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: 12:12 PM	Sampling Time: 11:00 AM	Sampling Time: 11:10 AM	Sampling Time: 11:40 AM	Sampling Time: 11:50 AM	Sampling Time: 12:00 PM
1	Temperature	°C	day	20-30	HI-98107/ Electrometric			28	27.9	28.4	28.2
2	pH		day	6.5-8.5				7.9	7.6	7.8	7.8
3	Turbidity	NTU	day	<1 NTU	WTW PhotoFlex Turb	236	66.9	66.7	1.98	0.97	0.86
4	Color	pt-co	day	15	Orion AQ3700/ Photometric			338	31	15	13
5	Suspended Solid	mg/L	day	...				226	53	53	2
6	Taste and Odour		day	Odorless	Manual			Dirty Smell	Dirty Smell	No Objectionable	No Objectionable
7	Total Aluminium	mg/L	Once a week	0.2	Eriochrome Cyanine R Method1						0.009
8	Total Manganese	mg/L	Once a week	0.1	1-(2-Pyridylazo)-2-Naphthol PAN						0.006
9	Total Iron	mg/L	Once a week	0.3-1.0	USEPA 1 FerroVer Method						0.05
10	Total residual chlorine	mg/L	Twice a week	0.2-0.4	USEPA DPD Method1						0.26
11	Chloride	ppm	day	150-600	Mercuric Nitrate Titration	30	40				40
12	Total Dissolved Solids	ppm	day	1000	Orion Star™ A222 & A322	116.2	119.5				124

Remark: