



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 18-12-2023

Test No: 1623

Weather: Sunny

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: 09:30 AM	Sampling Time: 10:12 AM	Sampling Time: 11:00 AM	Sampling Time: 11:42 AM	Sampling Time: 11:58 AM	Sampling Time: 12:10 PM
1	Temperature	°C	day	20-30	OHAUS-ST300/ Electrometric			22.5	24.2	23.1	22.9
2	pH		day	6.5-8.5				8.01	7.86	7.76	7.69
3	Turbidity	NTU	day	<1 NTU	WTW PhotoFlex Turb	89.7	12.1	11.8	1.81	0.62	0.27
4	Color	pt-co	day	15	Orion AQ3700/ Photometric			78	27	12	10
5	Suspended Solid	mg/L	day	...				78	10	10	1
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						0.009
9	Total Iron	mg/L	Once a week	0.3-1.0	USEPA 1 FerroVer Method						0.06
10	Total residual chlorine	mg/L	Twice a week	0.2-0.4	USEPA DPD Method1						0.28
11	Chloride	ppm	day	150-600	Mercuric Nitrate Titration						30
12	Total Dissolved Solids	ppm	day	1000	Orion Star™ A222 & A322	212.8	178.4				178.3
Remark:											