



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 29-04-2024

Test No: 1756

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: 08:10 AM	Sampling Time: 08:30 AM	Sampling Time: 09:25 AM	Sampling Time: 09:42 AM	Sampling Time: 09:58 AM	Sampling Time: 10:05 AM
1	Temperature	°C	day	20-30	OHAUS-ST300/ Electrometric			29.7	29.9	30.2	30.8
2	pH		day	6.5-8.5				8.2	8.01	7.93	7.84
3	Turbidity	NTU	day	<1 NTU	WTW PhotoFlex Turb	29.1	16.1	15.2	1.87	0.85	0.56
4	Color	pt-co	day	15	Orion AQ3700/ Photometric			83	43	19	14
5	Suspended Solid	mg/L	day	...				25	12	12	4
6	Taste and Odour		day	Odorless	Manual			Dirty Smell	No Objectionable	No Objectionable	No Objectionable
7	Total Iron	mg/L	Once a week	0.3-1.0	USEPA 1 FerroVer Method						0.1
8	Total residual chlorine	mg/L	Twice a week	0.2-0.4	USEPA DPD Method I						0.15
9	Chloride	ppm	day	150-600	Mercuric Nitrate Titration	920	560				550
10	Total Dissolved Solids	ppm	day	1000	Orion Star™ A222 & A322	1495	939.2				929.2
Remark:											