



110 MLD Surface Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 26-08-2024

Test No: 1874

Weather: Rain

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: 09:45 AM	Sampling Time: 10:50 AM	Sampling Time: 11:28 AM	Sampling Time: 11:40 AM	Sampling Time: 11:50 AM
1	Temperature	°C	day	20-30	HI-98107/ Electrometric			27.6	27.4	27.5	27.4
2	pH		day	6.5-8.5				8	7.7	7.7	7.7
3	Turbidity	NTU	day	<1 NTU	WTW PhotoFlex Turb	302	116	109	1.9	0.32	0.17
4	Color	pt-co	day	15	Orion AQ3700/ Photometric			500	25	7	5
5	Suspended Solid	mg/L	day	...				310	102	102	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						0.012
8	Total Iron	mg/L	Once a week	0.3-1.0	USEPA 1 FerroVer Method						0.05
9	Chloride	ppm	day	150-600	Mercuric Nitrate Titration	30	30				30
10	Total Dissolved Solids	ppm	day	1000	Orion Star™ A222 & A322	117.7	118.8				122.5

Remark: