



110 MLD Surface Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 14-10-2024

Test No: 1923

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: 08:50 AM	Sampling Time: 09:45 AM	Sampling Time: 09:55 AM	Sampling Time: 10:55 AM	Sampling Time: 11:05 AM	Sampling Time: 11:15 AM
1	Temperature	°C	day	20-30	HI-98107/ Electrometric			30.2	30.1	30.3	30.6
2	pH		day	6.5-8.5				7.8	7.6	7.7	7.6
3	Turbidity	NTU	day	<1 NTU	WTW PhotoFlex Turb	383	34	32.9	1.88	0.24	0.15
4	Color	pt-co	day	15	Orion AQ3700/ Photometric			154	25	18	5
5	Suspended Solid	mg/L	day	...				337	21	21	1
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						0.01
8	Total Manganese	mg/L	Once a week	0.1	1-(2-Pyridylazo)-2-Naphthol PAN						0.015
9	Total Iron	mg/L	Once a week	0.3-1.0	USEPA 1 FerroVer Method						0.08
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
12	Total Dissolved Solids	ppm	day	1000	Orion Star™ A222 & A322	122.9	121.3	123.7			

Remark: