



# 110 MLD Surface Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

## Daily Water Quality Report of Laboratory

Date of Testing: 01-11-2024

Test No: 1941

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: 09:50 AM	Sampling Time: 10:00 AM	Sampling Time: 11:00 AM	Sampling Time: 11:10 AM	Sampling Time: 11:20 AM		
1	Temperature	°C	day	20-30	HI-98107/ Electrometric			29.3	28.6	28.7	29.7		
2	pH		day	6.5-8.5				7.9	7.6	7.7	7.7		
3	Turbidity	NTU	day	<1 NTU	WTW PhotoFlex Turb	73.2	12.7	12.4	1.8	0.41	0.23		
4	Color	pt-co	day	15	Orion AQ3700/ Photometric			74	26	17	14		
5	Suspended Solid	mg/L	day	...				50	9	9	1	0	0
6	Taste and Odour		day	Odorless	Manual			Dirty Smell	No Objectionable	No Objectionable	No Objectionable		
7	Total residual chlorine	mg/L	Twice a week	0.2-0.4	USEPA DPD Method1								0.18
8	Fluoride	mg/L	Once a week	1	USEPA SPADNS Method1	0.26							
9	Sulfate	mg/L	Once a week	400	USEPA1 SulfaVer 4 Method2	7							
10	Chloride	ppm	day	150-600	Mercuric Nitrate Titration	30	30						30
11	Total Dissolved Solids	ppm	day	1000	Orion Star™ A222 & A322	132.6	127.1						128.9
Remark:													