



110 MLD Surface Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 04-11-2024

Test No: 1944

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: 09:45 AM | Sampling Time: 10:05 AM | Sampling Time: 10:30 AM | Sampling Time: 11:08 AM | Sampling Time: 11:22 AM | Sampling Time: 11:40 AM | | |
| 1 | Temperature | °C | day | 20-30 | HI-98107/ Electrometric | | | 29.6 | 29.3 | 29.3 | 29.1 | | |
| 2 | pH | | day | 6.5-8.5 | | | | 8 | 7.7 | 7.7 | 7.8 | | |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 126 | 18.9 | 17.2 | 1.9 | 0.63 | 0.18 | | |
| 4 | Color | pt-co | day | 15 | Orion AQ3700/ Photometric | | | 54 | 30 | 26 | 13 | | |
| 5 | Suspended Solid | mg/L | day | ... | | | | 84 | 18 | 17 | 2 | 1 | 0 |
| 6 | Taste and Odour | | day | Odorless | Manual | | | Dirty Smell | Dirty Smell | No Objectionable | No Objectionable | | |
| 7 | Total Iron | mg/L | Once a week | 0.3-1.0 | USEPA 1 FerroVer Method | | | | | | | | 0.07 |
| 8 | Chloride | ppm | day | 150-600 | Mercuric Nitrate Titration | 30 | 30 | | | | | | 30 |
| 9 | Total Dissolved Solids | ppm | day | 1000 | Orion Star™ A222 & A322 | 140.6 | 129 | | | | | | 130.8 |
| Remark: | | | | | | | | | | | | | |