



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 20-02-2024

Test No: 1687

Weather: Cloudy

| 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: 07:32 AM | Sampling Time: 07:40 AM | Sampling Time: 08:05 AM | Sampling Time: 08:30 AM | Sampling Time: 08:48 AM | Sampling Time: 08:54 AM |
| 1 | Temperature | °C | day | 20-30 | OHAUS-ST300/ Electrometric | | | 23.8 | 24 | 23.5 | 23.9 |
| 2 | pH | | day | 6.5-8.5 | | | | 8.1 | 8.01 | 7.88 | 7.77 |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 51.3 | 13.6 | 12.6 | 1.29 | 0.91 | 0.46 |
| 4 | Color | pt-co | day | 15 | Orion AQ3700/ Photometric | | | 70 | 9 | 8 | 0 |
| 5 | Suspended Solid | mg/L | day | ... | | | | 35 | 8 | 8 | 0 |
| 6 | Taste and Odour | | day | Odorless | Manual | | | Dirty Smell | No Objectionable | No Objectionable | No Objectionable |
| 7 | Chloride | ppm | day | 150-600 | Mercuric Nitrate Titration | | | 50 | 40 | | |
| 8 | Total Dissolved Solids | ppm | day | 1000 | Orion Star™ A222 & A322 | 220.6 | 195.1 | | | | |
| Remark: | | | | | | | | | | | |