



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 09-05-2024

Test No: 1766

Weather: Partly 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: 11:30 AM | Sampling Time: 09:55 AM | Sampling Time: 10:30 AM | Sampling Time: 11:08 AM | Sampling Time: 11:23 AM | Sampling Time: 11:20 AM | |
| 1 | Temperature | °C | day | 20-30 | OHAUS-ST300/ Electrometric | | | 28.7 | 28.5 | 28 | 26.6 | |
| 2 | pH | | day | 6.5-8.5 | | | | 8.22 | 8.09 | 7.9 | 7.84 | |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 104 | 20.4 | 20 | 1.76 | 0.63 | 0.38 | |
| 4 | Color | pt-co | day | 15 | Orion AQ3700/ Photometric | | | 97 | 20 | 14 | 2 | |
| 5 | Suspended Solid | mg/L | day | ... | | | | 82 | 14 | 14 | 1 | 0 |
| 6 | Taste and Odour | | day | Odorless | Manual | | | Dirty Smell | No Objectionable | No Objectionable | No Objectionable | |
| 7 | Total Dissolved Solids | ppm | day | 1000 | Orion Star™ A222 & A322 | 1296 | 805.7 | | | | | 810.6 |
| 8 | Salinity | PSU | Once a week | ... | | | | | | | | 0.884 |
| 9 | Conductivity | µS/cm | Once a week | ... | | | | | | | | 1653 |
| 10 | Resistivity | Ω-cm | Once a week | ... | | | | | | | | 604.9 |
| 11 | Chloride | ppm | day | 150-600 | | Mercuric Nitrate Titration | 790 | | | | | 530 |
| Remark: | | | | | | | | | | | | |