



110 MLD Surface Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 20-11-2024

Test No: 1960

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: 9:00 AM | Sampling Time: 09:10 AM | Sampling Time: 09:22 AM | Sampling Time: 09:48 AM | Sampling Time: 10:00 AM | Sampling Time: 10:10 AM | | |
| 1 | Temperature | °C | day | 20-30 | HI-98107/ Electrometric | | | 27.1 | 26.9 | 27.1 | 27.4 | | |
| 2 | pH | | day | 6.5-8.5 | | | | 8 | 7.9 | 7.9 | 7.8 | | |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 139 | 17.8 | 17.4 | 1.89 | 0.73 | 0.24 | | |
| 4 | Color | pt-co | day | 15 | Orion AQ3700/ Photometric | | | 79 | 39 | 19 | 14 | | |
| 5 | Suspended Solid | mg/L | day | ... | | | | 85 | 12 | 11 | 2 | 1 | 0 |
| 6 | Taste and Odour | | day | Odorless | Manual | | | Dirty Smell | Dirty Smell | No Objectionable | No Objectionable | | |
| 7 | ORP | mv | Once a week | ... | WTW pH/ ION 3310 | | | | | | | | 177.6 |
| 8 | Chloride | ppm | day | 150-600 | Mercuric Nitrate Titration | 30 | 30 | | | | | | 30 |
| 9 | Total Dissolved Solids | ppm | day | 1000 | Orion Star™ A222 & A322 | 159.6 | 142.2 | | | | | | 142.5 |
| Remark: | | | | | | | | | | | | | |