



# 110 MLD Surface Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

## Daily Water Quality Report of Laboratory

Date of Testing: 08-09-2024

Test No: 1887

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: 08:55 AM | Sampling Time: 09:15 AM | Sampling Time: 10:05 AM | Sampling Time: 10:40 AM                | Sampling Time: 10:52 AM          | Sampling Time: 11:00 AM |
| 1              | Temperature              | °C    | day         | 20-30                             | HI-98107/<br>Electrometric   |                         |                         | 30.2                    | 29.9                                   | 29.9                             | 29.9                    |
| 2              | pH                       |       | day         | 6.5-8.5                           |                              |                         |                         | 8.1                     | 7.6                                    | 7.8                              | 7.8                     |
| 3              | Turbidity                | NTU   | day         | <1 NTU                            | WTW PhotoFlex Turb           | 342                     | 57.2                    | 53.2                    | 1.92                                   | 0.19                             | 0.16                    |
| 4              | Color                    | pt-co | day         | 15                                | Orion AQ3700/<br>Photometric |                         |                         | 262                     | 21                                     | 17                               | 12                      |
| 5              | Suspended Solid          | mg/L  | day         | ...                               |                              |                         |                         | 297                     | 44                                     | 43                               | 1                       |
| 6              | Taste and Odour          |       | day         | Odorless                          | Manual                       |                         |                         | Dirty Smell             | Dirty Smell                            | No Objectionable                 | No Objectionable        |
| 7              | Alkalinity               | mg/L  | Once a week | ...                               | H2SO4 Titration              |                         |                         |                         |  |                                  | 105                     |
| 8              | Chloride                 | ppm   | day         | 150-600                           | Mercuric Nitrate Titration   | 30                      | 30                      |                         |  |                                  | 30                      |
| 9              | Total Dissolved Solids   | ppm   | day         | 1000                              | Orion Star™ A222 & A322      | 121.1                   | 121.8                   |                         |  |                                  | 124.7                   |
| <b>Remark:</b> |                          |       |             |                                   |                              |                         |                         |                         |  |                                  |                         |