

| <b>PUB NEWater Quality (Typical Values)</b> |             |                             |                      |
|---|-------------|-----------------------------|----------------------|
| <b>Parameters</b>                           | <b>Unit</b> | <b>WHO Guideline Value*</b> | <b>Typical Value</b> |
| <b>Microbiological Parameters</b>           |             |                             |                      |
| <i>Escherichia coli (E. coli)</i>           | cfu/100mL   | <1                          | <1                   |
| Heterotrophic Plate Count (HPC)             | cfu/mL      | -                           | <1                   |
| <b>Physical Parameters</b>                  |             |                             |                      |
| Colour                                      | Hazen       | -                           | <5                   |
| Conductivity                                | µS/cm       | -                           | <250                 |
| Chlorine                                    | mg/L        | 5                           | <2                   |
| pH Value                                    | Units       | -                           | 7.0-8.5              |
| Total Dissolved Solids (TDS)                | mg/L        | -                           | <150                 |
| Turbidity                                   | NTU         | 5                           | <5                   |
| <b>Chemical Parameters</b>                  |             |                             |                      |
| Ammonia (as N)                              | mg/L        | -                           | <1.0                 |
| Aluminium                                   | mg/L        | -                           | <0.1                 |
| Barium                                      | mg/L        | 1.3                         | <0.1                 |
| Boron                                       | mg/L        | 2.4                         | <0.5                 |
| Calcium                                     | mg/L        | -                           | <20                  |
| Chloride                                    | mg/L        | -                           | <20                  |
| Copper                                      | mg/L        | 2                           | <0.05                |
| Fluoride                                    | mg/L        | 1.5                         | <0.5                 |
| Iron  | mg/L        | -                           | <0.04                |
| Manganese                                   | mg/L        | -                           | <0.05                |
| Nitrate (as N)                              | mg/L        | 11                          | <5                   |
| Sodium                                      | mg/L        | -                           | <20                  |
| Sulphate                                    | mg/L        | -                           | <5                   |
| Silica (as SiO <sub>2</sub> )               | mg/L        | -                           | <3                   |
| Strontium                                   | mg/L        | -                           | <0.1                 |
| Total Trihalomethanes Ratio                 | -           | <1                          | <0.04                |
| Total Organic Carbon (TOC)                  | mg/L        | -                           | <0.5                 |
| Total Hardness (as CaCO <sub>3</sub> )      | mg/L        | -                           | <50                  |
| Zinc  | mg/L        | -                           | <0.1                 |

\* WHO Guideline Values listed in this report are obtained from WHO Guidelines for Drinking-water Quality 2017, 4<sup>th</sup> edition incorporating 1<sup>st</sup> addendum

*Updated as of April 2020*