

# Water Quality Tests Results (Katata-machi)

| No. | Items                                                   | Katata-machi |             |             |             |  |  | Unit        |
|-----|---------------------------------------------------------|--------------|-------------|-------------|-------------|--|--|-------------|
|     |                                                         | 30-Apr-2025  | 14-May-2025 | 24-Jun-2025 | 16-Jul-2025 |  |  |             |
|     | Water temperature                                       | 11.9         | 13.2        | 17.3        | 20.6        |  |  | ( °C )      |
| 1   | Common Bacteria                                         | < 1          | < 1         | < 1         | < 1         |  |  | (number/mL) |
| 2   | E.coli                                                  | N.D. ※1      | N.D. ※1     | N.D. ※1     | N.D. ※1     |  |  | (MPN/100mL) |
| 3   | Cadmium                                                 |              |             |             |             |  |  | (mg/L)      |
| 4   | Mercury                                                 |              |             |             |             |  |  | (mg/L)      |
| 5   | Selenium                                                |              |             |             |             |  |  | (mg/L)      |
| 6   | Lead                                                    |              |             | < 0.001     |             |  |  | (mg/L)      |
| 7   | Arsenic                                                 |              |             |             |             |  |  | (mg/L)      |
| 8   | Chromium (VI)                                           | < 0.002      |             |             | < 0.002     |  |  | (mg/L)      |
| 9   | Nitrite nitrogen                                        | < 0.004      | < 0.004     | < 0.004     | < 0.004     |  |  | (mg/L)      |
| 10  | Cyanide ion and Cyanogens chloride                      |              |             | < 0.001     |             |  |  | (mg/L)      |
| 11  | Nitrate and Nitrite                                     | 0.3          | 0.2         | 0.3         | 0.3         |  |  | (mg/L)      |
| 12  | Fluoride                                                | < 0.08       | < 0.08      | < 0.08      | < 0.08      |  |  | (mg/L)      |
| 13  | Boron                                                   |              |             |             |             |  |  | (mg/L)      |
| 14  | Carbon tetrachloride                                    |              |             | < 0.0002    |             |  |  | (mg/L)      |
| 15  | 1, 4-dioxane                                            |              |             |             |             |  |  | (mg/L)      |
| 16  | cis-1,2-Dichloroethylene and trans-1,2-Dichloroethylene |              |             | < 0.004     |             |  |  | (mg/L)      |
| 17  | Dichloromethane                                         |              |             | < 0.002     |             |  |  | (mg/L)      |
| 18  | Tetrachloroethylene                                     |              |             | < 0.001     |             |  |  | (mg/L)      |
| 19  | Trichloroethylene                                       |              |             | < 0.001     |             |  |  | (mg/L)      |
| 20  | Benzene                                                 |              |             | < 0.001     |             |  |  | (mg/L)      |
| 21  | Chlorate                                                | < 0.06       | < 0.06      | < 0.06      | < 0.06      |  |  | (mg/L)      |
| 22  | Chloroacetic acid                                       |              |             | < 0.002     |             |  |  | (mg/L)      |
| 23  | Chloroform                                              |              |             | 0.005       |             |  |  | (mg/L)      |
| 24  | Dichloroacetic acid                                     |              |             | 0.003       |             |  |  | (mg/L)      |
| 25  | Dibromochloromethane                                    |              |             | 0.002       |             |  |  | (mg/L)      |
| 26  | Bromate                                                 |              |             | < 0.001     |             |  |  | (mg/L)      |
| 27  | Total trihalomethanes                                   |              |             | 0.011       |             |  |  | (mg/L)      |
| 28  | Trichloroacetic acid                                    |              |             | < 0.003     |             |  |  | (mg/L)      |
| 29  | Bromodichloromethane                                    |              |             | 0.004       |             |  |  | (mg/L)      |
| 30  | Bromoform                                               |              |             | < 0.001     |             |  |  | (mg/L)      |
| 31  | Formaldehyde                                            |              |             | < 0.008     |             |  |  | (mg/L)      |
| 32  | Zinc                                                    |              |             | < 0.01      |             |  |  | (mg/L)      |
| 33  | Aluminium                                               | 0.01         | 0.01        | 0.02        | 0.03        |  |  | (mg/L)      |
| 34  | Iron                                                    | < 0.03       | < 0.03      | < 0.03      | < 0.03      |  |  | (mg/L)      |
| 35  | Copper                                                  | < 0.01       | < 0.01      | < 0.01      | < 0.01      |  |  | (mg/L)      |
| 36  | Sodium                                                  | 5.9          | 5.9         | 6.6         | 6.9         |  |  | (mg/L)      |
| 37  | Manganese                                               | < 0.001      | < 0.001     | < 0.001     | < 0.001     |  |  | (mg/L)      |
| 38  | Chloride ion                                            | 6.6          | 6.9         | 7.1         | 6.7         |  |  | (mg/L)      |
| 39  | Calcium, Magnesium (Hardness)                           | 15           | 16          | 19          | 20          |  |  | (mg/L)      |
| 40  | Total residue                                           | 11           |             |             | 35          |  |  | (mg/L)      |
| 41  | Anionic surface active agent                            |              |             |             |             |  |  | (mg/L)      |
| 42  | Geosmin                                                 |              |             | < 0.000001  | < 0.000001  |  |  | (mg/L)      |
| 43  | 2-Methylisoborneol                                      |              |             | < 0.000001  | < 0.000001  |  |  | (mg/L)      |
| 44  | Nonionic surface active agent                           |              |             |             |             |  |  | (mg/L)      |
| 45  | Phenols                                                 |              |             |             |             |  |  | (mg/L)      |
| 46  | Organic substances (Total Organic Carbon)               | < 0.3        | < 0.3       | 0.3         | 0.4         |  |  | (mg/L)      |
| 47  | pH Value                                                | 7.4          | 7.4         | 7.4         | 7.5         |  |  |             |
| 48  | Taste                                                   | None         | None        | None        | None        |  |  |             |
| 49  | Odor                                                    | None         | None        | None        | None        |  |  |             |
| 50  | Color                                                   | < 0.5        | < 0.5       | < 0.5       | < 0.5       |  |  | ( degree )  |
| 51  | Turbidity                                               | < 0.1        | < 0.1       | < 0.1       | < 0.1       |  |  | ( degree )  |
|     | Free residual chlorine ※2                               | 0.50         | 0.44        | 0.46        | 0.50        |  |  | (mg/L)      |

※1 N.D. = Not detected

※2 Necessary sanitation measures: Free residual chlorine  $\geq$  0.1 mg/L