

# Water Quality Tests Results (Sainen)

| No. | Items                                                    | Sainen      |             |             |             |             |            | Unit        |
|-----|----------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|
|     |                                                          | 30-Apr-2025 | 14-May-2025 | 24-Jun-2025 | 16-Jul-2025 | 27-Aug-2025 | 9-Sep-2025 |             |
|     | Water temperature                                        | 11.2        | 12.3        | 18.6        | 19.6        | 22.5        | 22.1       | ( °C )      |
| 1   | Common Bacteria                                          | < 1         | < 1         | < 1         | < 1         | < 1         | < 1        | (number/mL) |
| 2   | E.coli                                                   | N.D. ※1     | N.D. ※1     | 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     |             |             | < 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     | < 0.004     | < 0.004    | (mg/L)      |
| 10  | Cyanide ion and Cyanogens chloride                       |             |             | < 0.001     |             |             | < 0.001    | (mg/L)      |
| 11  | Nitrate and Nitrite                                      | 0.3         | 0.2         | 0.2         | 0.2         | 0.2         | 0.2        | (mg/L)      |
| 12  | Fluoride                                                 | < 0.08      | < 0.08      | < 0.08      | < 0.08      | < 0.08      | < 0.08     | (mg/L)      |
| 13  | Boron                                                    |             |             |             |             |             |            | (mg/L)      |
| 14  | Carbon tetrachloride                                     |             |             | < 0.0002    |             |             | < 0.0002   | (mg/L)      |
| 15  | 1, 4-dioxane                                             |             |             |             |             |             |            | (mg/L)      |
| 16  | cis-1,2-Dichloroethylene and trans-1,2- Dichloroethylene |             |             | < 0.004     |             |             | < 0.004    | (mg/L)      |
| 17  | Dichloromethane                                          |             |             | < 0.002     |             |             | < 0.002    | (mg/L)      |
| 18  | Tetrachloroethylene                                      |             |             | < 0.001     |             |             | < 0.001    | (mg/L)      |
| 19  | Trichloroethylene                                        |             |             | < 0.001     |             |             | < 0.001    | (mg/L)      |
| 20  | Benzene                                                  |             |             | < 0.001     |             |             | < 0.001    | (mg/L)      |
| 21  | Chlorate                                                 | < 0.06      | < 0.06      | < 0.06      | < 0.06      | 0.06        | 0.06       | (mg/L)      |
| 22  | Chloroacetic acid                                        |             |             | < 0.002     |             |             | < 0.002    | (mg/L)      |
| 23  | Chloroform                                               |             |             | 0.012       |             |             | 0.14       | (mg/L)      |
| 24  | Dichloroacetic acid                                      |             |             | 0.008       |             |             | < 0.003    | (mg/L)      |
| 25  | Dibromochloromethane                                     |             |             | < 0.001     |             |             | < 0.001    | (mg/L)      |
| 26  | Bromate                                                  |             |             | < 0.001     |             |             | < 0.001    | (mg/L)      |
| 27  | Total trihalomethanes                                    |             |             | 0.017       |             |             | 0.023      | (mg/L)      |
| 28  | Trichloroacetic acid                                     |             |             | 0.007       |             |             | 0.009      | (mg/L)      |
| 29  | Bromodichloromethane                                     |             |             | 0.004       |             |             | 0.007      | (mg/L)      |
| 30  | Bromoform                                                |             |             | < 0.001     |             |             | < 0.001    | (mg/L)      |
| 31  | Formaldehyde                                             |             |             | < 0.008     |             |             | < 0.008    | (mg/L)      |
| 32  | Zinc                                                     |             |             | < 0.01      |             |             | < 0.01     | (mg/L)      |
| 33  | Aluminium                                                | 0.02        | 0.01        | 0.04        | 0.04        | 0.05        | 0.06       | (mg/L)      |
| 34  | Iron                                                     | < 0.03      | < 0.03      | < 0.03      | < 0.03      | < 0.03      | < 0.03     | (mg/L)      |
| 35  | Copper                                                   | < 0.01      | < 0.01      | < 0.01      | < 0.01      | < 0.01      | < 0.01     | (mg/L)      |
| 36  | Sodium                                                   | 4.2         | 3.9         | 4.0         | 4.7         | 5.2         | 5.8        | (mg/L)      |
| 37  | Manganese                                                | < 0.001     | < 0.001     | < 0.001     | < 0.001     | < 0.001     | < 0.001    | (mg/L)      |
| 38  | Chloride ion                                             | 5.1         | 5.2         | 4.5         | 5.2         | 5.5         | 6.5        | (mg/L)      |
| 39  | Calcium, Magnesium (Hardness)                            | 19          | 18          | 24          | 21          | 23          | 23         | (mg/L)      |
| 40  | Total residue                                            | 47          |             |             | 39          |             |            | (mg/L)      |
| 41  | Anionic surface active agent                             |             |             |             |             |             |            | (mg/L)      |
| 42  | Geosmin                                                  |             |             | < 0.000001  | < 0.000001  | < 0.000001  | < 0.000001 | (mg/L)      |
| 43  | 2-Methylisoborneol                                       |             |             | < 0.000001  | < 0.000001  | < 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         | 0.40        | 0.5         | 0.5        | (mg/L)      |
| 47  | pH Value                                                 | 7.5         | 7.4         | 7.5         | 7.5         | 7.5         | 7.5        |             |
| 48  | Taste                                                    | None        | None        | None        | None        | None        | None       |             |
| 49  | Odor                                                     | None        | None        | None        | None        | None        | None       |             |
| 50  | Color                                                    | < 0.5       | < 0.5       | < 0.5       | < 0.5       | < 0.5       | < 0.5      | ( degree )  |
| 51  | Turbidity                                                | < 0.1       | < 0.1       | < 0.1       | < 0.1       | < 0.1       | < 0.1      | ( degree )  |
|     | Free residual chlorine ※2                                | 0.42        | 0.46        | 0.40        | 0.44        | 0.40        | 0.44       | (mg/L)      |

※1 N.D. = Not detected

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

# Water Quality Tests Results (Sainen)

| No. | Items                                                   | Sainen     |  |  |  |  |  | Unit        |
|-----|---------------------------------------------------------|------------|--|--|--|--|--|-------------|
|     |                                                         | 2-Oct-2025 |  |  |  |  |  |             |
|     | Water temperature                                       | 20.6       |  |  |  |  |  | ( °C )      |
| 1   | Common Bacteria                                         | < 1        |  |  |  |  |  | (number/mL) |
| 2   | E.coli                                                  | N.D. ※1    |  |  |  |  |  | (MPN/100mL) |
| 3   | Cadmium                                                 |            |  |  |  |  |  | (mg/L)      |
| 4   | Mercury                                                 |            |  |  |  |  |  | (mg/L)      |
| 5   | Selenium                                                |            |  |  |  |  |  | (mg/L)      |
| 6   | Lead                                                    |            |  |  |  |  |  | (mg/L)      |
| 7   | Arsenic                                                 |            |  |  |  |  |  | (mg/L)      |
| 8   | Chromium (VI)                                           | < 0.002    |  |  |  |  |  | (mg/L)      |
| 9   | Nitrite nitrogen                                        | < 0.004    |  |  |  |  |  | (mg/L)      |
| 10  | Cyanide ion and Cyanogens chloride                      |            |  |  |  |  |  | (mg/L)      |
| 11  | Nitrate and Nitrite                                     | 0.3        |  |  |  |  |  | (mg/L)      |
| 12  | Fluoride                                                | < 0.08     |  |  |  |  |  | (mg/L)      |
| 13  | Boron                                                   |            |  |  |  |  |  | (mg/L)      |
| 14  | Carbon tetrachloride                                    |            |  |  |  |  |  | (mg/L)      |
| 15  | 1, 4-dioxane                                            |            |  |  |  |  |  | (mg/L)      |
| 16  | cis-1,2-Dichloroethylene and trans-1,2-Dichloroethylene |            |  |  |  |  |  | (mg/L)      |
| 17  | Dichloromethane                                         |            |  |  |  |  |  | (mg/L)      |
| 18  | Tetrachloroethylene                                     |            |  |  |  |  |  | (mg/L)      |
| 19  | Trichloroethylene                                       |            |  |  |  |  |  | (mg/L)      |
| 20  | Benzene                                                 |            |  |  |  |  |  | (mg/L)      |
| 21  | Chlorate                                                | < 0.06     |  |  |  |  |  | (mg/L)      |
| 22  | Chloroacetic acid                                       |            |  |  |  |  |  | (mg/L)      |
| 23  | Chloroform                                              |            |  |  |  |  |  | (mg/L)      |
| 24  | Dichloroacetic acid                                     |            |  |  |  |  |  | (mg/L)      |
| 25  | Dibromochloromethane                                    |            |  |  |  |  |  | (mg/L)      |
| 26  | Bromate                                                 |            |  |  |  |  |  | (mg/L)      |
| 27  | Total trihalomethanes                                   |            |  |  |  |  |  | (mg/L)      |
| 28  | Trichloroacetic acid                                    |            |  |  |  |  |  | (mg/L)      |
| 29  | Bromodichloromethane                                    |            |  |  |  |  |  | (mg/L)      |
| 30  | Bromoform                                               |            |  |  |  |  |  | (mg/L)      |
| 31  | Formaldehyde                                            |            |  |  |  |  |  | (mg/L)      |
| 32  | Zinc                                                    |            |  |  |  |  |  | (mg/L)      |
| 33  | Aluminium                                               | 0.04       |  |  |  |  |  | (mg/L)      |
| 34  | Iron                                                    | < 0.03     |  |  |  |  |  | (mg/L)      |
| 35  | Copper                                                  | < 0.01     |  |  |  |  |  | (mg/L)      |
| 36  | Sodium                                                  | 6.3        |  |  |  |  |  | (mg/L)      |
| 37  | Manganese                                               | < 0.001    |  |  |  |  |  | (mg/L)      |
| 38  | Chloride ion                                            | 7.6        |  |  |  |  |  | (mg/L)      |
| 39  | Calcium, Magnesium (Hardness)                           | 27         |  |  |  |  |  | (mg/L)      |
| 40  | Total residue                                           | 69         |  |  |  |  |  | (mg/L)      |
| 41  | Anionic surface active agent                            |            |  |  |  |  |  | (mg/L)      |
| 42  | Geosmin                                                 | < 0.000001 |  |  |  |  |  | (mg/L)      |
| 43  | 2-Methylisoborneol                                      | < 0.000001 |  |  |  |  |  | (mg/L)      |
| 44  | Nonionic surface active agent                           |            |  |  |  |  |  | (mg/L)      |
| 45  | Phenols                                                 |            |  |  |  |  |  | (mg/L)      |
| 46  | Organic substances (Total Organic Carbon)               | 0.9        |  |  |  |  |  | (mg/L)      |
| 47  | pH Value                                                | 7.5        |  |  |  |  |  |             |
| 48  | Taste                                                   | None       |  |  |  |  |  |             |
| 49  | Odor                                                    | None       |  |  |  |  |  |             |
| 50  | Color                                                   | < 0.5      |  |  |  |  |  | ( degree )  |
| 51  | Turbidity                                               | < 0.1      |  |  |  |  |  | ( degree )  |
|     | Free residual chlorine ※2                               | 0.40       |  |  |  |  |  | (mg/L)      |

※1 N.D. = Not detected

※2 Necessary sanitation measures: Free residual chlorine ≥0.1 mg/L