

## Water Quality Tests Results (Katata-machi)

No.	Items	Katata-machi					Unit
		21-Apr-2022	17-May-2022	28-Jun-2022	12-Jul-2022		
	Water temperature	11.6	13.8	19.7	19.6		( °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	0.4	0.6	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	<i>cis</i> -1,2-Dichloroethylene and <i>trans</i> -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			0.007			(mg/L)
24	Dichloroacetic acid			0.004			(mg/L)
25	Dibromochloromethane			0.001			(mg/L)
26	Bromate			< 0.001			(mg/L)
27	Total trihalomethanes			0.013			(mg/L)
28	Trichloroacetic acid			0.005			(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	0.02	0.03	0.02		(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	6.6	8.4	6.6	8.4		(mg/L)
37	Manganese	< 0.001	< 0.001	< 0.001	< 0.001		(mg/L)
38	Chloride ion	6.9	12	6.3	7.9		(mg/L)
39	Calcium, Magnesium (Hardness)	19	21	23	23		(mg/L)
40	Total residue	47			49		(mg/L)
41	Anionic surface active agent						(mg/L)
42	Geosmin			0.000002	0.000002		(mg/L)
43	2-Methylisobolneol			< 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	0.5	0.5		(mg/L)
47	pH Value	7.4	7.4	7.4	7.4		
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	0.38	0.44	0.48	0.46		(mg/L)

※1 N.D. = Not detected

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

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6	Lead							(mg/L)
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8	Chromium (VI)							(mg/L)
9	Nitrite nitrogen							(mg/L)
10	Cyanide ion and Cyanogens chloride							(mg/L)
11	Nitrate and Nitrite							(mg/L)
12	Fluoride							(mg/L)
13	Boron							(mg/L)
14	Carbon tetrachloride							(mg/L)
15	1, 4-dioxane							(mg/L)
16	<i>cis</i> -1,2-Dichloroethylene and <i>trans</i> -1,2- Dichloroethylene							(mg/L)
17	Dichloromethane							(mg/L)
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22	Chloroacetic acid							(mg/L)
23	Chloroform							(mg/L)
24	Dichloroacetic acid							(mg/L)
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26	Bromate							(mg/L)
27	Total trihalomethanes							(mg/L)
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29	Bromodichloromethane							(mg/L)
30	Bromoform							(mg/L)
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32	Zinc							(mg/L)
33	Aluminium							(mg/L)
34	Iron							(mg/L)
35	Copper							(mg/L)
36	Sodium							(mg/L)
37	Manganese							(mg/L)
38	Chloride ion							(mg/L)
39	Calcium, Magnesium (Hardness)							(mg/L)
40	Total residue							(mg/L)
41	Anionic surface active agent							(mg/L)
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43	2-Methylisobolneol							(mg/L)
44	Nonionic surface active agent							(mg/L)
45	Phenols							(mg/L)
46	Organic substances (Total Organic Carbon)							(mg/L)
47	pH Value							
48	Taste							
49	Odor							
50	Color							( degree )
51	Turbidity							( degree )
	Free residual chlorine ※2							(mg/L)

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