

Water Quality Tests Results (Hikarigaoka)

No.	Items	Hikarigaoka						Unit
		21-Apr-2022	17-May-2022	28-Jun-2022	12-Jul-2022	31-Aug-2022	27-Sep-2022	
	Water temperature	14.7	14.6	21.0	27.2	26.5	21.7	(°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	0.3	(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	<i>cis</i> -1,2-Dichloroethylene and <i>trans</i> -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			0.011			0.012	(mg/L)
24	Dichloroacetic acid			0.005			< 0.003	(mg/L)
25	Dibromochloromethane			< 0.001			< 0.001	(mg/L)
26	Bromate			< 0.001			< 0.001	(mg/L)
27	Total trihalomethanes			0.016			0.022	(mg/L)
28	Trichloroacetic acid			0.008			0.007	(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	0.02	0.04	0.05	0.03	0.05	(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	4.3	4.3	4.7	5.3	4.5	6.5	(mg/L)
37	Manganese	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	(mg/L)
38	Chloride ion	5.5	4.4	5.2	5.7	5.3	7.0	(mg/L)
39	Calcium, Magnesium (Hardness)	24	19	23	26	26	29	(mg/L)
40	Total residue	60			62			(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	0.4	0.5	0.5	0.5	(mg/L)
47	pH Value	7.6	7.5	7.5	7.5	7.4	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	0.34	0.34	0.52	0.30	0.34	0.40	(mg/L)

※1 N.D. = Not detected

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

Water Quality Tests Results (Hikarigaoka)

No.	Items	Hikarigaoka					Unit
		4-Oct-2022	30-Nov-2022	14-Dec-2022			
	Water temperature	21.4	14.4	11.0			(°C)
1	Common Bacteria	< 1	< 1	< 1			(number/mL)
2	E.coli	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					(mg/L)
9	Nitrite nitrogen	< 0.004	< 0.004	< 0.004			(mg/L)
10	Cyanide ion and Cyanogens chloride			< 0.001			(mg/L)
11	Nitrate and Nitrite	0.3	0.4	0.4			(mg/L)
12	Fluoride	< 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			(mg/L)
22	Chloroacetic acid			< 0.002			(mg/L)
23	Chloroform			0.004			(mg/L)
24	Dichloroacetic acid			< 0.003			(mg/L)
25	Dibromochloromethane			0.003			(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	0.06	0.04	0.03			(mg/L)
34	Iron	< 0.03	< 0.03	< 0.03			(mg/L)
35	Copper	< 0.01	< 0.01	< 0.01			(mg/L)
36	Sodium	6.8	6.4	6.6			(mg/L)
37	Manganese	< 0.001	< 0.001	< 0.001			(mg/L)
38	Chloride ion	7.3	6.2	7.0			(mg/L)
39	Calcium, Magnesium (Hardness)	28	37	32			(mg/L)
40	Total residue	65					(mg/L)
41	Anionic surface active agent						(mg/L)
42	Geosmin	< 0.000001	< 0.000001				(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)	0.4	0.5	0.4			(mg/L)
47	pH Value	7.7	7.7	7.6			
48	Taste	None	None	None			
49	Odor	None	None	None			
50	Color	< 0.5	< 0.5	< 0.5			(degree)
51	Turbidity	< 0.1	< 0.1	< 0.1			(degree)
	Free residual chlorine ※2	0.38	0.32	0.36			(mg/L)

※1 N.D. = Not detected

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