

Water Quality Tests Results

(Source Water of Saigawa Water Purification Plant)

No.	Items	Source Water of Saigawa Water Purification Plant						Unit
		22-Apr-2021	19-May-2021	16-Jun-2021	8-Jul-2021	18-Aug-2021	15-Sep-2021	
	Water temperature	9.0	11.2	13.5	15.3	15.9	16.3	(°C)
1	Common Bacteria	21	19	120	26	260	94	(number/mL)
2	E.coli	5.9	25	50	260	67	37	(MPN/100mL)
3	Cadmium		< 0.0003			< 0.0003		(mg/L)
4	Mercury		< 0.00005			< 0.00005		(mg/L)
5	Selenium	< 0.001			< 0.001			(mg/L)
6	Lead			< 0.001			< 0.001	(mg/L)
7	Arsenic	< 0.001			< 0.001			(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	0.4	0.3	0.4	0.4	0.4	0.4	(mg/L)
12	Fluoride	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	(mg/L)
13	Boron			< 0.1			< 0.1	(mg/L)
14	Carbon tetrachloride			< 0.0002			< 0.0002	(mg/L)
15	1, 4-dioxane	< 0.005			< 0.005			(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							(mg/L)
23	Chloroform			< 0.001			< 0.001	(mg/L)
24	Dichloroacetic acid							(mg/L)
25	Dibromochloromethane			< 0.001			< 0.001	(mg/L)
26	Bromate			< 0.001			< 0.001	(mg/L)
27	Total trihalomethanes			< 0.001			< 0.001	(mg/L)
28	Trichloroacetic acid							(mg/L)
29	Bromodichloromethane			< 0.001			< 0.001	(mg/L)
30	Bromoform			< 0.001			< 0.001	(mg/L)
31	Formaldehyde							(mg/L)
32	Zinc			< 0.01			< 0.01	(mg/L)
33	Aluminium	0.07	0.02	0.06	0.16	0.24	0.07	(mg/L)
34	Iron	0.06	< 0.03	0.04	0.09	0.12	0.06	(mg/L)
35	Copper	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	(mg/L)
36	Sodium	5.3	4.9	5.5	5.9	5.3	5.8	(mg/L)
37	Manganese	0.013	< 0.001	0.003	0.007	0.005	0.007	(mg/L)
38	Chloride ion	4.9	4.5	4.7	4.7	3.6	4.1	(mg/L)
39	Calcium, Magnesium (Hardness)	18	18	19	21	17	21	(mg/L)
40	Total residue	61			59			(mg/L)
41	Anionic surface active agent	< 0.02			< 0.02			(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	< 0.005			< 0.005			(mg/L)
45	Phenols		< 0.0005			< 0.0005		(mg/L)
46	Organic substances (Total Organic Carbon)	0.7	0.7	0.8	1.1	1.1	0.9	(mg/L)
47	pH Value	7.4	7.4	7.3	7.4	7.3	7.5	
48	Taste							
49	Odor	None	None	None	None	None	None	
50	Color	5	3	5	6	6	4	(degree)
51	Turbidity	4.7	1.9	1.5	2.7	4.8	2.2	(degree)
	Free residual chlorine							(mg/L)

※1 N.D. = Not detected

Water Quality Tests Results
(Source Water of Saigawa Water Purification Plant)

No.	Items	Source Water of Saigawa Water Purification Plant						Unit
		5-Oct-2021						
	Water temperature	16.2						(°C)
1	Common Bacteria	120						(number/mL)
2	E.coli	25						(MPN/100mL)
3	Cadmium							(mg/L)
4	Mercury							(mg/L)
5	Selenium	< 0.001						(mg/L)
6	Lead							(mg/L)
7	Arsenic	< 0.001						(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	0.5						(mg/L)
12	Fluoride	< 0.08						(mg/L)
13	Boron							(mg/L)
14	Carbon tetrachloride							(mg/L)
15	1, 4-dioxane	< 0.005						(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	0.06						(mg/L)
34	Iron	0.06						(mg/L)
35	Copper	< 0.01						(mg/L)
36	Sodium	5.7						(mg/L)
37	Manganese	0.006						(mg/L)
38	Chloride ion	4.3						(mg/L)
39	Calcium, Magnesium (Hardness)	22						(mg/L)
40	Total residue	73						(mg/L)
41	Anionic surface active agent	< 0.02						(mg/L)
42	Geosmin	< 0.000001						(mg/L)
43	2-Methylisoborneol	< 0.000001						(mg/L)
44	Nonionic surface active agent	< 0.005						(mg/L)
45	Phenols							(mg/L)
46	Organic substances (Total Organic Carbon)	0.8						(mg/L)
47	pH Value	7.4						
48	Taste							
49	Odor	None						
50	Color	4						(degree)
51	Turbidity	1.6						(degree)
	Free residual chlorine							(mg/L)

※1 N.D. = Not detected