

Water Quality Tests Results

(Purified Water of Sue Water Purification Plant (Slow sand filtration method))

No.	Items	Purified Water of Sue Water Purification Plant (Slow sand filtration method)						Unit
		28-Apr-2023	31-May-2023	21-Jun-2023	5-Jul-2023			
	Water temperature	11.5	16.4	20.0	21.1			(°C)
1	Common Bacteria	1	1	4	3			(number/mL)
2	E.coli	N.D. ※1	N.D. ※1	N.D. ※1	N.D. ※1			(MPN/100mL)
3	Cadmium		< 0.0003					(mg/L)
4	Mercury		< 0.00005					(mg/L)
5	Selenium	< 0.001			< 0.001			(mg/L)
6	Lead			< 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			(mg/L)
10	Cyanide ion and Cyanogens chloride			< 0.001				(mg/L)
11	Nitrate and Nitrite	0.3	0.3	0.3	0.3			(mg/L)
12	Fluoride	< 0.08	< 0.08	< 0.08	< 0.08			(mg/L)
13	Boron			< 0.1				(mg/L)
14	Carbon tetrachloride			< 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				(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							(mg/L)
23	Chloroform			0.001				(mg/L)
24	Dichloroacetic acid							(mg/L)
25	Dibromochloromethane			< 0.001				(mg/L)
26	Bromate			< 0.001				(mg/L)
27	Total trihalomethanes			0.002				(mg/L)
28	Trichloroacetic acid							(mg/L)
29	Bromodichloromethane			< 0.001				(mg/L)
30	Bromoform			< 0.001				(mg/L)
31	Formaldehyde							(mg/L)
32	Zinc			< 0.01				(mg/L)
33	Aluminium	< 0.01	< 0.01	< 0.01	< 0.01			(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	3.5	3.5	4.2	4.3			(mg/L)
37	Manganese	< 0.001	< 0.001	< 0.001	< 0.001			(mg/L)
38	Chloride ion	2.7	2.5	2.6	2.6			(mg/L)
39	Calcium, Magnesium (Hardness)	21	25	25	27			(mg/L)
40	Total residue	39			110			(mg/L)
41	Anionic surface active agent	< 0.02			< 0.02			(mg/L)
42	Geosmin			< 0.000001	< 0.000001			(mg/L)
43	2-Methylisoborneol			< 0.000001	< 0.000001			(mg/L)
44	Nonionic surface active agent	< 0.005			< 0.005			(mg/L)
45	Phenols		< 0.0005					(mg/L)
46	Organic substances (Total Organic Carbon)	< 0.3	0.3	0.4	0.5			(mg/L)
47	pH Value	7.4	7.4	7.3	7.3			
48	Taste	None	None	None	None			
49	Odor	None	None	None	None			
50	Color	< 0.5	< 0.5	1	1			(degree)
51	Turbidity	< 0.1	< 0.1	< 0.1	< 0.1			(degree)
	Free residual chlorine ※2	0.58	0.54	0.64	0.68			(mg/L)

※1 N.D. = Not detected

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