

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
		24-Apr-2024	23-May-2024	19-Jun-2024	23-Jul-2024		
	Water temperature	12.1	15.5	19.8	23.0		(°C)
1	Common Bacteria	3	1	3	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	0.2	0.2	0.2	0.2		(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			0.001			(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	3.2	3.9	5.2	4.3		(mg/L)
37	Manganese	< 0.001	< 0.001	< 0.001	< 0.001		(mg/L)
38	Chloride ion	2.7	2.4	3.0	4.3		(mg/L)
39	Calcium, Magnesium (Hardness)	20	24	31	24		(mg/L)
40	Total residue	36			12		(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	< 0.3	0.3		(mg/L)
47	pH Value	7.5	7.4	7.3	7.2		
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	0.56	0.58	0.60	0.64		(mg/L)

※1 N.D. = Not detected

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