

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
		21-Apr-2026	19-May-2026	24-Jun-2026	10-Jul-2026			
	Water temperature	13.3	16.9	19.8	21.7			(°C)
1	Common Bacteria	6	4	2	< 1			(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	0.3	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	Perfluoro(octane-1-sulfonic acid)(PFOS) and Perfluorooctanoic acid(PFOA)	< 0.000005			< 0.000005			(mg/L)
21	Benzene			< 0.001				(mg/L)
22	Chlorate	< 0.06	< 0.06	0.06	0.06			(mg/L)
23	Chloroacetic acid							(mg/L)
24	Chloroform			0.001				(mg/L)
25	Dichloroacetic acid							(mg/L)
26	Dibromochloromethane			< 0.001				(mg/L)
27	Bromate			< 0.001				(mg/L)
28	Total trihalomethanes			0.002				(mg/L)
29	Trichloroacetic acid							(mg/L)
30	Bromodichloromethane			< 0.001				(mg/L)
31	Bromoform			< 0.001				(mg/L)
32	Formaldehyde							(mg/L)
33	Zinc			< 0.01				(mg/L)
34	Aluminium	< 0.01	< 0.01	< 0.01	< 0.01			(mg/L)
35	Iron	< 0.03	< 0.03	< 0.03	< 0.03			(mg/L)
36	Copper	< 0.01	< 0.01	< 0.01	< 0.01			(mg/L)
37	Sodium	4.0	4.5	5.8	5.2			(mg/L)
38	Manganese	< 0.001	< 0.001	< 0.001	< 0.001			(mg/L)
39	Chloride ion	3.1	3.3	3.3	2.8			(mg/L)
40	Calcium, Magnesium (Hardness)	19	22	27	26			(mg/L)
41	Total residue	44			59			(mg/L)
42	Anionic surface active agent	< 0.02			< 0.02			(mg/L)
43	Geosmin			< 0.000001	< 0.000001			(mg/L)
44	2-Methylisoborneol			< 0.000001	< 0.000001			(mg/L)
45	Nonionic surface active agent	< 0.005			< 0.005			(mg/L)
46	Phenols		< 0.0005					(mg/L)
47	Organic substances (Total Organic Carbon)	< 0.3	0.3	0.4	0.5			
48	pH Value	7.3	7.2	7.4	7.4			
49	Taste	None	None	None	None			
50	Odor	None	None	None	None			
51	Color	< 0.5	< 0.5	< 0.5	< 0.5			(degree)
52	Turbidity	< 0.1	< 0.1	< 0.1	< 0.1			(degree)
	Free residual chlorine	0.48	0.60	0.64	0.70			(mg/L)

※1 N.D. = Not detected

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