

Water Quality Tests Results

(Source Water of Sue Water Purification Plant)

No.	Items	Source Water of Sue Water Purification Plant						Unit
		21-Apr-2026	19-May-2026	24-Jun-2026	10-Jul-2026	27-Aug-2026		
	Water temperature	10.4	12.8	16.9	17.2	22.3		(°C)
1	Common Bacteria	28	6	52	16	140		(number/mL)
2	E.coli	70	3.1	12	17	79		(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				(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		(mg/L)
10	Cyanide ion and Cyanogens chloride			< 0.001				(mg/L)
11	Nitrate and Nitrite	0.3	0.2	0.3	0.2	0.2		(mg/L)
12	Fluoride	< 0.08	< 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	< 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			< 0.001				(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	0.14	0.04	0.04	0.05	0.03		(mg/L)
35	Iron	0.07	< 0.03	0.07	0.04	0.06		(mg/L)
36	Copper	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		(mg/L)
37	Sodium	3.8	4.3	5.3	4.6	5.8		(mg/L)
38	Manganese	0.006	0.006	0.018	0.009	0.014		(mg/L)
39	Chloride ion	3.2	3.5	3.7	3.0	3.1		(mg/L)
40	Calcium, Magnesium (Hardness)	20	23	26	25	30		(mg/L)
41	Total residue	44			66			(mg/L)
42	Anionic surface active agent	< 0.02			< 0.02			(mg/L)
43	Geosmin			0.000001	< 0.000001	0.000001		(mg/L)
44	2-Methylisobolneol			< 0.000001	< 0.000001	< 0.000001		(mg/L)
45	Nonionic surface active agent	< 0.005			< 0.005			(mg/L)
46	Phenols		< 0.0005			< 0.0005		(mg/L)
47	Organic substances (Total Organic Carbon)	0.7	0.7	0.7	1.1	1.1		
48	pH Value	7.3	7.4	7.6	7.4	7.6		
49	Taste							
50	Odor	None	None	None	None	None		
51	Color	4	3	4	5	5		(degree)
52	Turbidity	4.5	1.4	1.4	1.8	1.7		(degree)
	Free residual chlorine							(mg/L)

※1 N.D. = Not detected