

Water Quality Tests Results

(Purified Water of Saigawa Water Purification Plant)

No.	Items	Purified Water of Saigawa Water Purification Plant						Unit
		21-Apr-2026	19-May-2026	24-Jun-2026	10-Jul-2026	27-Aug-2026		
	Water temperature	13.0	14.4	17.0	17.7	20.6		(°C)
1	Common Bacteria	< 1	< 1	< 1	< 1	< 1		(number/mL)
2	E.coli	N.D. ※1	N.D. ※1	N.D. ※1	N.D. ※1	N.D. ※1		(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	0.3	0.3	0.2	0.3		(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 Perfluoro(octanoic acid)(PFOA)	< 0.000005			< 0.000005			(mg/L)
21	Benzene			< 0.001				(mg/L)
22	Chlorate	< 0.06	< 0.06	0.07	0.06	< 0.06		(mg/L)
23	Chloroacetic acid							(mg/L)
24	Chloroform			0.003				(mg/L)
25	Dichloroacetic acid							(mg/L)
26	Dibromochloromethane			0.001				(mg/L)
27	Bromate			< 0.001				(mg/L)
28	Total trihalomethanes			0.006				(mg/L)
29	Trichloroacetic acid							(mg/L)
30	Bromodichloromethane			0.002				(mg/L)
31	Bromoform			< 0.001				(mg/L)
32	Formaldehyde							(mg/L)
33	Zinc			< 0.01				(mg/L)
34	Aluminium	0.01	0.03	0.03	0.03	0.04		(mg/L)
35	Iron	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03		(mg/L)
36	Copper	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		(mg/L)
37	Sodium	7.1	7.4	8.0	7.8	7.0		(mg/L)
38	Manganese	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		(mg/L)
39	Chloride ion	7.0	7.3	6.8	6.2	6.7		(mg/L)
40	Calcium, Magnesium (Hardness)	17	19	20	20	21		(mg/L)
41	Total residue	46			73			(mg/L)
42	Anionic surface active agent	< 0.02			< 0.02			(mg/L)
43	Geosmin			< 0.000001	< 0.000001	0.000002		(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)	0.3	0.4	0.5	0.4	0.5		
48	pH Value	7.3	7.3	7.5	7.5	7.5		
49	Taste	None	None	None	None	None		
50	Odor	None	None	None	None	None		
51	Color	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		(degree)
52	Turbidity	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		(degree)
	Free residual chlorine	0.48	0.50	0.58	0.58	0.64		(mg/L)

※1 N.D. = Not detected

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