

## Water Quality Tests Results (Kasamai)

No.	Items	Kasamai						Unit
		30-Apr-2025	14-May-2025	24-Jun-2025	16-Jul-2025	27-Aug-2025	9-Sep-2025	
	Water temperature	11.7	13.8	19.1	20.3	23.7	20.9	( °C )
1	Common Bacteria	< 1	< 1	< 1	< 1	< 1	< 1	(number/mL)
2	E.coli	N.D. ※1	N.D. ※1	(MPN/100mL)				
3	Cadmium							(mg/L)
4	Mercury							(mg/L)
5	Selenium							(mg/L)
6	Lead			< 0.001			< 0.001	(mg/L)
7	Arsenic							(mg/L)
8	Chromium (VI)	< 0.002			< 0.002			(mg/L)
9	Nitrite nitrogen	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	(mg/L)
10	Cyanide ion and Cyanogens chloride			< 0.001			< 0.001	(mg/L)
11	Nitrate and Nitrite	0.3	0.2	0.3	0.3	0.4	0.4	(mg/L)
12	Fluoride	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	(mg/L)
13	Boron							(mg/L)
14	Carbon tetrachloride			< 0.0002			< 0.0002	(mg/L)
15	1, 4-dioxane							(mg/L)
16	cis-1,2-Dichloroethylene and trans-1,2- Dichloroethylene			< 0.004			< 0.004	(mg/L)
17	Dichloromethane			< 0.002			< 0.002	(mg/L)
18	Tetrachloroethylene			< 0.001			< 0.001	(mg/L)
19	Trichloroethylene			< 0.001			< 0.001	(mg/L)
20	Benzene			< 0.001			< 0.001	(mg/L)
21	Chlorate	< 0.06	< 0.06	< 0.06	< 0.06	0.07	0.09	(mg/L)
22	Chloroacetic acid			< 0.002			< 0.002	(mg/L)
23	Chloroform			0.004			0.008	(mg/L)
24	Dichloroacetic acid			< 0.003			0.003	(mg/L)
25	Dibromochloromethane			0.002			< 0.001	(mg/L)
26	Bromate			< 0.001			< 0.001	(mg/L)
27	Total trihalomethanes			0.010			0.015	(mg/L)
28	Trichloroacetic acid			< 0.003			0.004	(mg/L)
29	Bromodichloromethane			0.004			0.005	(mg/L)
30	Bromoform			< 0.001			< 0.001	(mg/L)
31	Formaldehyde			< 0.008			< 0.008	(mg/L)
32	Zinc			< 0.01			< 0.01	(mg/L)
33	Aluminium	0.01	0.01	0.03	0.03	0.03	0.03	(mg/L)
34	Iron	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	(mg/L)
35	Copper	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	(mg/L)
36	Sodium	6.1	6.1	7.1	7.1	7.0	8.2	(mg/L)
37	Manganese	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	(mg/L)
38	Chloride ion	6.4	7.1	7.4	6.9	6.7	8.4	(mg/L)
39	Calcium, Magnesium (Hardness)	15	16	20	19	20	21	(mg/L)
40	Total residue	32			40			(mg/L)
41	Anionic surface active agent							(mg/L)
42	Geosmin			< 0.000001	< 0.000001	0.000001	0.000001	(mg/L)
43	2-Methylisoborneol			< 0.000001	< 0.000001	< 0.000001	< 0.000001	(mg/L)
44	Nonionic surface active agent							(mg/L)
45	Phenols							(mg/L)
46	Organic substances (Total Organic Carbon)	< 0.3	< 0.3	0.3	0.4	0.5	0.5	(mg/L)
47	pH Value	7.4	7.4	7.4	7.5	7.5	7.4	
48	Taste	None	None	None	None	None	None	
49	Odor	None	None	None	None	None	None	
50	Color	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	( degree )
51	Turbidity	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	( degree )
	Free residual chlorine ※2	0.52	0.48	0.50	0.60	0.52	0.64	(mg/L)

※1 N.D. = Not detected

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

## Water Quality Tests Results (Kasamai)

No.	Items	Kasamai					Unit
		2-Oct-2025	11-Nov-2025	9-Dec-2025	21-Jan-2026	10-Feb-2026	
	Water temperature	19.0	12.7	10.5	7.5	5.4	( °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						(mg/L)
4	Mercury						(mg/L)
5	Selenium						(mg/L)
6	Lead			< 0.001			(mg/L)
7	Arsenic						(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	0.4	0.4	0.4	0.5	0.4	(mg/L)
12	Fluoride	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	(mg/L)
13	Boron						(mg/L)
14	Carbon tetrachloride			< 0.0002			(mg/L)
15	1, 4-dioxane						(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	0.08	< 0.06	< 0.06	< 0.06	< 0.06	(mg/L)
22	Chloroacetic acid			< 0.002			(mg/L)
23	Chloroform			0.003			(mg/L)
24	Dichloroacetic acid			< 0.003			(mg/L)
25	Dibromochloromethane			0.002			(mg/L)
26	Bromate			< 0.001			(mg/L)
27	Total trihalomethanes			0.007			(mg/L)
28	Trichloroacetic acid			< 0.003			(mg/L)
29	Bromodichloromethane			0.002			(mg/L)
30	Bromoform			< 0.001			(mg/L)
31	Formaldehyde			< 0.008			(mg/L)
32	Zinc			< 0.01			(mg/L)
33	Aluminium	0.02	0.01	< 0.01	< 0.01	< 0.01	(mg/L)
34	Iron	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	(mg/L)
35	Copper	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	(mg/L)
36	Sodium	7.8	7.5	5.1	7.2	6.8	(mg/L)
37	Manganese	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	(mg/L)
38	Chloride ion	8.0	7.8	6.4	10	9.3	(mg/L)
39	Calcium, Magnesium (Hardness)	21	20	25	20	22	(mg/L)
40	Total residue	46			61		(mg/L)
41	Anionic surface active agent						(mg/L)
42	Geosmin	< 0.000001	< 0.000001				(mg/L)
43	2-Methylisoborneol	< 0.000001	< 0.000001				(mg/L)
44	Nonionic surface active agent						(mg/L)
45	Phenols						(mg/L)
46	Organic substances (Total Organic Carbon)	0.5	0.3	0.3	< 0.3	< 0.3	(mg/L)
47	pH Value	7.4	7.4	7.3	7.4	7.3	
48	Taste	None	None	None	None	None	
49	Odor	None	None	None	None	None	
50	Color	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	( degree )
51	Turbidity	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	( degree )
	Free residual chlorine ※2	0.54	0.46	0.44	0.42	0.42	(mg/L)

※1 N.D. = Not detected

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