

Water Quality Tests Results (Magae)

No.	Items	Magae						Unit
		30-Apr-2025	14-May-2025	24-Jun-2025	16-Jul-2025	27-Aug-2025	9-Sep-2025	
	Water temperature	14.6	18.7	22.8	26.2	29.7	28.9	(°C)
1	Common Bacteria	< 1	< 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	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	0.1	0.2	0.2	0.2	(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	< 0.06	< 0.06	(mg/L)
22	Chloroacetic acid			< 0.002			< 0.002	(mg/L)
23	Chloroform			0.013			0.016	(mg/L)
24	Dichloroacetic acid			0.004			< 0.003	(mg/L)
25	Dibromochloromethane			< 0.001			< 0.001	(mg/L)
26	Bromate			< 0.001			< 0.001	(mg/L)
27	Total trihalomethanes			0.018			0.025	(mg/L)
28	Trichloroacetic acid			0.008			0.008	(mg/L)
29	Bromodichloromethane			0.005			0.007	(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	0.02	0.02	0.04	0.05	0.06	0.06	(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	3.9	3.8	4.0	4.5	5.3	5.8	(mg/L)
37	Manganese	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	(mg/L)
38	Chloride ion	4.7	5.2	4.5	5.3	5.8	6.6	(mg/L)
39	Calcium, Magnesium (Hardness)	20	21	22	25	28	28	(mg/L)
40	Total residue	43			39			(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	0.4	0.4	0.5	0.5	(mg/L)
47	pH Value	7.5	7.4	7.5	7.6	7.6	7.6	
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	0.34	0.38	0.36	0.38	0.36	0.32	(mg/L)

※1 N.D. = Not detected

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

Water Quality Tests Results (Magae)

No.	Items	Magae						Unit
		2-Oct-2025	11-Nov-2025	9-Dec-2025				
	Water temperature	24.9	16.3	11.5				(°C)
1	Common Bacteria	< 1	< 1	< 1				(number/mL)
2	E.coli	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						(mg/L)
9	Nitrite nitrogen	< 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				(mg/L)
12	Fluoride	< 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	< 0.06	< 0.06	< 0.06				(mg/L)
22	Chloroacetic acid			< 0.002				(mg/L)
23	Chloroform			0.004				(mg/L)
24	Dichloroacetic acid			< 0.003				(mg/L)
25	Dibromochloromethane			0.002				(mg/L)
26	Bromate			< 0.001				(mg/L)
27	Total trihalomethanes			0.009				(mg/L)
28	Trichloroacetic acid			< 0.003				(mg/L)
29	Bromodichloromethane			0.004				(mg/L)
30	Bromoform			< 0.001				(mg/L)
31	Formaldehyde			< 0.008				(mg/L)
32	Zinc			< 0.01				(mg/L)
33	Aluminium	0.05	0.04	0.04				(mg/L)
34	Iron	< 0.03	< 0.03	< 0.03				(mg/L)
35	Copper	< 0.01	< 0.01	< 0.01				(mg/L)
36	Sodium	6.4	6.1	6.2				(mg/L)
37	Manganese	< 0.001	< 0.001	< 0.001				(mg/L)
38	Chloride ion	7.8	7.1	7.1				(mg/L)
39	Calcium, Magnesium (Hardness)	30	26	32				(mg/L)
40	Total residue	76						(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)	0.7	0.4	0.3				(mg/L)
47	pH Value	7.5	7.6	7.7				
48	Taste	None	None	None				
49	Odor	None	None	None				
50	Color	< 0.5	< 0.5	< 0.5				(degree)
51	Turbidity	< 0.1	< 0.1	< 0.1				(degree)
	Free residual chlorine ※2	0.40	0.40	0.34				(mg/L)

※1 N.D. = Not detected

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