

## Water Quality Tests Results (Naruwadai)

No.	Items	Naruwadai						Unit
		30-Apr-2024	16-May-2024	26-Jun-2024	10-Jul-2024	20-Aug-2024	18-Sep-2024	
	Water temperature	14.1	15.3	19.9	21.2	24.2	24.4	( °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	0.2	0.2	0.2	0.3	0.2	0.3	(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	0.07	< 0.06	< 0.06	0.08	0.09	(mg/L)
22	Chloroacetic acid			< 0.002			< 0.002	(mg/L)
23	Chloroform			0.007			0.010	(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			0.013			0.018	(mg/L)
28	Trichloroacetic acid			0.003			0.005	(mg/L)
29	Bromodichloromethane			0.005			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	0.02	0.02	0.02	0.02	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	6.0	5.8	7.5	8.1	7.6	7.3	(mg/L)
37	Manganese	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	(mg/L)
38	Chloride ion	6.1	5.8	7.1	8.4	6.2	6.2	(mg/L)
39	Calcium, Magnesium (Hardness)	19	21	23	19	26	32	(mg/L)
40	Total residue	49			35			(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	0.4	0.5	(mg/L)
47	pH Value	7.5	7.5	7.5	7.5	7.6	7.5	
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	0.38	0.38	0.36	0.34	0.30	0.24	(mg/L)

※1 N.D. = Not detected

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

## Water Quality Tests Results (Naruwadai)

No.	Items	Naruwadai					Unit
		24-Oct-2024	18-Nov-2024				
	Water temperature	19.5	14.8				( °C )
1	Common Bacteria	< 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						(mg/L)
7	Arsenic						(mg/L)
8	Chromium (VI)	< 0.002					(mg/L)
9	Nitrite nitrogen	< 0.004	< 0.004				(mg/L)
10	Cyanide ion and Cyanogens chloride						(mg/L)
11	Nitrate and Nitrite	0.4	0.4				(mg/L)
12	Fluoride	< 0.08	< 0.08				(mg/L)
13	Boron						(mg/L)
14	Carbon tetrachloride						(mg/L)
15	1, 4-dioxane						(mg/L)
16	cis-1,2-Dichloroethylene and trans-1,2-Dichloroethylene						(mg/L)
17	Dichloromethane						(mg/L)
18	Tetrachloroethylene						(mg/L)
19	Trichloroethylene						(mg/L)
20	Benzene						(mg/L)
21	Chlorate	0.06	< 0.06				(mg/L)
22	Chloroacetic acid						(mg/L)
23	Chloroform						(mg/L)
24	Dichloroacetic acid						(mg/L)
25	Dibromochloromethane						(mg/L)
26	Bromate						(mg/L)
27	Total trihalomethanes						(mg/L)
28	Trichloroacetic acid						(mg/L)
29	Bromodichloromethane						(mg/L)
30	Bromoform						(mg/L)
31	Formaldehyde						(mg/L)
32	Zinc						(mg/L)
33	Aluminium	0.03	0.02				(mg/L)
34	Iron	< 0.03	< 0.03				(mg/L)
35	Copper	< 0.01	< 0.01				(mg/L)
36	Sodium	6.4	7.2				(mg/L)
37	Manganese	< 0.001	< 0.001				(mg/L)
38	Chloride ion	5.6	6.5				(mg/L)
39	Calcium, Magnesium (Hardness)	32	27				(mg/L)
40	Total residue	60					(mg/L)
41	Anionic surface active agent						(mg/L)
42	Geosmin	< 0.000001	< 0.000001				(mg/L)
43	2-Methylisobolneol	< 0.000001	< 0.000001				(mg/L)
44	Nonionic surface active agent						(mg/L)
45	Phenols						(mg/L)
46	Organic substances (Total Organic Carbon)	0.4	0.4				(mg/L)
47	pH Value	7.6	7.6				
48	Taste	None	None				
49	Odor	None	None				
50	Color	< 0.5	< 0.5				( degree )
51	Turbidity	< 0.1	< 0.1				( degree )
	Free residual chlorine ※2	0.32	0.34				(mg/L)

※1 N.D. = Not detected

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