

Water Quality Tests Results
(Purified Water of Shijima-naka Water Distribution Plant)

No.	Items	Purified Water of Shijima-naka Water Distribution Plant					Unit
		24-Apr-2024	23-May-2024				
	Water temperature	12.0	14.5				(°C)
1	Common Bacteria	< 1	< 1				(number/mL)
2	E.coli	N.D. ※1	N.D. ※1				(MPN/100mL)
3	Cadmium		< 0.0003				(mg/L)
4	Mercury		< 0.00005				(mg/L)
5	Selenium	< 0.001					(mg/L)
6	Lead						(mg/L)
7	Arsenic	< 0.001					(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	0.2	0.2				(mg/L)
12	Fluoride	< 0.08	< 0.08				(mg/L)
13	Boron						(mg/L)
14	Carbon tetrachloride						(mg/L)
15	1, 4-dioxane	< 0.005					(mg/L)
16	<i>cis</i> -1,2-Dichloroethylene and <i>trans</i> -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	0.04				(mg/L)
34	Iron	< 0.03	< 0.03				(mg/L)
35	Copper	< 0.01	< 0.01				(mg/L)
36	Sodium	3.6	4.4				(mg/L)
37	Manganese	< 0.001	< 0.001				(mg/L)
38	Chloride ion	3.8	4.4				(mg/L)
39	Calcium, Magnesium (Hardness)	23	22				(mg/L)
40	Total residue	49					(mg/L)
41	Anionic surface active agent	< 0.02					(mg/L)
42	Geosmin						(mg/L)
43	2-Methylisobolneol						(mg/L)
44	Nonionic surface active agent	< 0.005					(mg/L)
45	Phenols		< 0.0005				(mg/L)
46	Organic substances (Total Organic Carbon)	< 0.3	< 0.3				(mg/L)
47	pH Value	7.4	7.5				
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	0.44	0.48				(mg/L)

※1 N.D. = Not detected

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