

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

No.	Items	Purified Water of Shijima-naka Water Distribution Plant					Unit
		19/4/2019	28/5/2019	11/6/2019	8/7/2019	21/8/2019	
	Water temperature	9.8	15.8	15.6	17.4	21.6	(°C)
1	Common Bacteria	0	0	0	0	0	(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)	< 0.005			< 0.005		(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	0.3	0.2	0.2	0.2	(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	<small>cis-1,2-Dichloroethylene and trans-1,2-Dichloroethylene</small>			< 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	< 0.06	< 0.06	(mg/L)
22	Chloroacetic acid						(mg/L)
23	Chloroform			0.007			(mg/L)
24	Dichloroacetic acid						(mg/L)
25	Dibromochloromethane			0.002			(mg/L)
26	Bromate			< 0.001			(mg/L)
27	Total trihalomethanes			0.013			(mg/L)
28	Trichloroacetic acid						(mg/L)
29	Bromodichloromethane			0.004			(mg/L)
30	Bromoform			< 0.001			(mg/L)
31	Formaldehyde						(mg/L)
32	Zinc			< 0.01			(mg/L)
33	Aluminium	0.03	0.04	0.04	0.06	0.07	(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	5.1	4.5	5.2	5.1	5.0	(mg/L)
37	Manganese	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	(mg/L)
38	Chloride ion	6.5	4.8	5.5	5.3	5.8	(mg/L)
39	Calcium, Magnesium (Hardness)	26	24	28	30	29	(mg/L)
40	Total residue	60			76		(mg/L)
41	Anionic surface active agent	< 0.02			< 0.02		(mg/L)
42	Geosmin			< 0.000001	< 0.000001	< 0.000001	(mg/L)
43	2-Methylisobolneol			< 0.000001	< 0.000001	< 0.000001	(mg/L)
44	Nonionic surface active agent	< 0.005			< 0.0005		(mg/L)
45	Phenols		< 0.0005			< 0.0005	(mg/L)
46	Organic substances (Total Organic Carbon)	< 0.3	0.3	0.4	0.5	0.6	(mg/L)
47	pH Value	7.6	7.6	7.6	7.5	7.4	
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	0.42	0.44	0.48	0.50	0.54	(mg/L)

※1 N.D. = Not detected

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

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44	Nonionic surface active agent						(mg/L)
45	Phenols						(mg/L)
46	Organic substances (Total Organic Carbon)						(mg/L)
47	pH Value						
48	Taste						
49	Odor						
50	Color						(degree)
51	Turbidity						(degree)
	Free residual chlorine ※2						(mg/L)

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