

51-Item Water Quality Test

No.	Test Item	Standard Value
1	General Bacteria	Colony count per 1 mL of sample water: Not more than 100 CFU
2	E. coli	Not Detected
3	Cadmium and its Compounds	Not more than 0.003 mg/L (as cadmium)
4	Mercury and its Compounds	Not more than 0.0005 mg/L (as mercury)
5	Selenium and its Compounds	Not more than 0.01 mg/L (as selenium)
6	Lead and its Compounds	Not more than 0.01 mg/L (as lead)
7	Arsenic and its Compounds	Not more than 0.01 mg/L (as arsenic)
8	Hexavalent Chromium Compounds	Not more than 0.02 mg/L (as hexavalent chromium)
9	Nitrite Nitrogen	Not more than 0.04 mg/L
10	Cyanide and Cyanogen Chloride	Not more than 0.01 mg/L (as cyanide)
11	Nitrate Nitrogen and Nitrite Nitrogen	Not more than 10 mg/L
12	Fluoride and its Compounds	Not more than 0.8 mg/L (as fluoride)
13	Boron and its Compounds	Not more than 1.0 mg/L (as boron)
14	Carbon Tetrachloride	Not more than 0.002 mg/L
15	1,4-Dioxane	Not more than 0.05 mg/L
16	cis-1,2-Dichloroethylene and trans-1,2-Dichloroethylene	Not more than 0.04 mg/L
17	Dichloromethane	Not more than 0.02 mg/L
18	Tetrachloroethylene	Not more than 0.01 mg/L
19	Trichloroethylene	Not more than 0.01 mg/L
20	Benzene	Not more than 0.01 mg/L
21	Chlorate	Not more than 0.6 mg/L
22	Chloroacetic Acid	Not more than 0.02 mg/L
23	Chloroform	Not more than 0.06 mg/L
24	Dichloroacetic Acid	Not more than 0.03 mg/L
25	Dibromochloromethane	Not more than 0.1 mg/L

26	Bromate	Not more than 0.01 mg/L
27	Total Trihalomethanes	Not more than 0.1 mg/L
28	Trichloroacetic Acid	Not more than 0.03 mg/L
29	Bromodichloromethane	Not more than 0.03 mg/L
30	Bromoform	Not more than 0.09 mg/L
31	Formaldehyde	Not more than 0.08 mg/L
32	Zinc and its Compounds	Not more than 1.0 mg/L (as zinc)
33	Aluminum and its Compounds	Not more than 0.2 mg/L (as aluminum)
34	Iron and its Compounds	Not more than 0.3 mg/L (as iron)
35	Copper and its Compounds	Not more than 1.0 mg/L (as copper)
36	Sodium and its Compounds	Not more than 200 mg/L (as sodium)
37	Manganese and its Compounds	Not more than 0.05 mg/L (as manganese)
38	Chloride Ion	Not more than 200 mg/L
39	Calcium, Magnesium, etc. (Hardness)	Not more than 300 mg/L mg/L以下
40	Total Dissolved Solids (Evaporation Residue)	Not more than 500 mg/L
41	Anionic Surfactants	Not more than 0.2 mg/L
42	Geosmin	Not more than 0.00001 mg/L
43	2-Methylisoborneol	Not more than 0.00001 mg/L
44	Nonionic Surfactants	Not more than 0.02 mg/L
45	Phenols	Not more than 0.005 mg/L (as phenol equivalent)
46	Organic Matter [Total Organic Carbon (TOC)]	Not more than 3 mg/L
47	pH Value	5.8–8.6
48	Taste	No abnormality detected
49	Odor	No abnormality detected
50	Color	Not more than 5 units
51	Turbidity	Not more than 2 units

