

52-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	Perfluorooctane Sulfonic Acid (PFOS) and Perfluorooctanoic Acid (PFOA)	Not more than 0.00005 mg/L
21	Benzene	Not more than 0.01 mg/L
22	Chlorate	Not more than 0.6 mg/L
23	Chloroacetic Acid	Not more than 0.02 mg/L
24	Chloroform	Not more than 0.06 mg/L
25	Dichloroacetic Acid	Not more than 0.03 mg/L

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