

Water & Aquatic Ecosystems

Rivers and Streams

- Standard for Human Health Protection (Rivers, Streams and Lakes)

Pollutants	Standard Value (mg/L)
Cadmium (Cd)	≤0.005
Arsenic (As)	≤0.05
Cyanide (CN)	Not Detected (Limit of Detection 0.01)
Mercury (Hg)	ND (LOD 0.001)
Organic Phosphorus	ND (LOD 0.0005)
poly-chlorinated biphenyls (PCB)	ND (LOD 0.0005)
Lead (Pb)	≤0.05
Hexachromium (Cr ⁶⁺)	≤0.05
Alkyl Benzene Sulfate (ABS)	≤0.5
Carbon tetrachloride (CCl ₄)	≤0.004
1,2-Dichloroethylene	≤0.03
Tetrachloroethylene (PCE)	≤0.04
Dichloroethylene	≤0.02
Benzene	≤0.01
Chloroform	≤0.08
Di-Ethylhexyl Phthalate (DEHP)	≤0.008
Antimony (Sb)	≤0.02

Drinking Water

Tap Water

- Concentration Standard

(Unit : mg/L)

Classification	Water Pollutants	Standard	Classification	Water Pollutants	Standard	
	55 Substances in Total			Dichloromethane	0.02 mg/L	
Micro-organism	Total Colony Counts	100CFU/ml	Hazardous Organic Substances	Benzene	0.01 mg/L	
	Total Coliforms	ND/100ml		Toluene	0.7 mg/L	
	Fecal Coliforms	ND/100ml		Ethyle Benzene	0.3 mg/L	
	Escherichia Coli	ND/100ml		Xylene	0.5 mg/L	
				1,1-Dichloroethylene	0.03 mg/L	
Hazardous Inorganic Substances	Pb;Lead	0.05 mg/L		Carbontetrachloride	0.002 mg/L	
	F;Fluoride	1.5 mg/L		Pesticide	Diazinon	0.02 mg/L
	As;Arsenic	0.05 mg/L			Parathion	0.06 mg/L
	Se;Selenium	0.01 mg/L			Fenitrothion	0.04 mg/L
	Hg;Mercury	0.001 mg/L			Carbaryl	0.07 mg/L
	CN;Cyanide	0.01 mg/L		1,2-Dibromo-3-Chloropropan	0.003 mg/L	
	Cr ⁶⁺ ;Hexachromium	0.05 mg/L		Disfection Residues	Free Residual Chlorine	4.0 mg/L
	NH ₃ -N;Ammonium Nitrogen	0.5 mg/L			THMs;Trihalomethanes	0.1 mg/L
	NO ₃ -N;Nitrate Nitrogen	10 mg/L			Chloroform	0.08 mg/L
	Cd;Cadmium	0.005 mg/L			Chloralhydrate	0.03 mg/L
B;Boron	0.3 mg/L	Dibromoacetonitrile			0.1 mg/L	
		Dichloroacetonitrile			0.09 mg/L	
		Trichloroacetonitrile			0.004 mg/L	
Volatile Organics	Phenol	0.005 mg/L		HAA;Haloacetic acid	0.1 mg/L	
	1,1,1-Trichloroethane	0.1 mg/L				
	PCE;Tetrachloroethylene	0.01 mg/L				
	TCE;Trichloroethylene	0.03 mg/L				

Bottled Water

Classification	Water Pollutants	Standard	Classification	Water Pollutants	Standard	
	51 items in Total					
Micro-organism	Total Colony Counts	Psychrophilic bacteria (21°C)	Hazardous Organic Substances	Volatile Organics	Toluene	0.7 mg/ℓ
		Mesophilic Bacteria (35°C)			20CFU/mℓ	Ethyle Benzene
	Total Coliforms	ND/250mℓ			Xylene	0.5 mg/ℓ
	Fecal Streptococci	ND/250mℓ			1,1-Dichloroethylene	0.03 mg/ℓ
	Pseudomonas aeruginosa	ND/250mℓ			Carbontetrachloride	0.002 mg/ℓ
	Spore-forming Sulfite-reducing anaerobes	ND/50mℓ		Pesticide	Diazinon	0.02 mg/ℓ
	Salmonella	ND/250mℓ			Parathion	0.06 mg/ℓ
	Shigella	ND/250mℓ			Fenitrothion	0.04 mg/ℓ
Hazardous Inorganic Substances	Pb;Lead	0.05 mg/ℓ	Aesthetic Substances	Carbaryl	0.07 mg/ℓ	
	F;Fluoride	2.0 mg/ℓ		1,2-Dibromo-3-Chloropropan	0.003 mg/ℓ	
	As;Arsenic	0.05 mg/ℓ		Hardness	500 mg/ℓ	
	Se;Selenium	0.01 mg/ℓ		Consumption of KMnO4	10 mg/ℓ	
	Hg;Mercury	0.001 mg/ℓ		Odor	ND	
	CN;Cyanide	0.01 mg/ℓ		Taste	ND	
	Cr ⁺⁶ ;Hexachromium	0.05 mg/ℓ		Cu; Cooper	1 mg/ℓ	
	NH ₃ -N	0.5 mg/ℓ		Color	5	
	NO ₃ -N;Nitrate Nitrogen	10 mg/ℓ		ABS; Alkyl Benzene Sulfate	ND	
	Cd;Cadmium	0.005 mg/ℓ		pH	5.8~8.5	
B;Boron	0.3 mg/ℓ	Zn; Zinc	1 mg/ℓ			
Hazardous Organic Substances	Volatile Organics	Phenol	0.005 mg/ℓ	Cl ⁻ ; Chloride	250 mg/ℓ	
		1,1,1-Trichloroethane	0.1 mg/ℓ	Total Solds	500 mg/ℓ	
		PCE;Tetrachloroethylene	0.01 mg/ℓ	Fe; Iron	0.3 mg/ℓ	
		TCE;Trichloroethylene	0.03 mg/ℓ	Mn; Manganese	0.3 mg/ℓ	
		Dichloromethane	0.02 mg/ℓ	Turbidity	1.0 NTU	
		Benzene	0.01 mg/ℓ	SO ₄ ⁻² ;Sulfate	200 mg/ℓ	
				Al; Aluminium	0.2 mg/ℓ	

- ND : Not Detected

- Total Colony Counts are inspected within 12 hours after being bottled at 4°C

Public Water Supply Wells

Classification	Water Pollutants	Standard	Classification	Water Pollutants	Standard	
	48 items in Total					
Micro-organism	Total Colony Counts	100CFU/mℓ	Hazardous Organic Substances	Xylene	0.5mg/ℓ	
	Total Coliforms	ND/100mℓ		1,1-Dichloroethylene	0.03 mg/ℓ	
	Fecal Coliforms	ND/100mℓ		Carbontetrachloride	0.002 mg/ℓ	
	Escherichia Coli	ND/100mℓ		Diazinon	0.02 mg/ℓ	
	Yersinia	ND/2 ℓ		Parathion	0.06 mg/ℓ	
Hazardous Inorganic Substances	Pb;Lead	0.05 mg/ℓ		Pesticide	Fenitrothion	0.04 mg/ℓ
	F;Fluoride	1.5 mg/ℓ			Carbaryl	0.07 mg/ℓ
	As;Arsenic	0.05 mg/ℓ			1,2-Dibromo-3-Chloropropan	0.003 mg/ℓ
	Se;Selenium	0.01 mg/ℓ			Hardness	300mg/ℓ
	Hg;Mercury	0.001 mg/ℓ			Consumption of KMnO4	10 mg/ℓ
	CN;Cyanide	0.01 mg/ℓ	Odor	ND		
	Cr ⁺⁶ ;Hexachromium	0.05 mg/ℓ	Taste	ND		
	NH ₃ -N	0.5 mg/ℓ	Cu; Cooper	1 mg/ℓ		
	NO ₃ -N;Nitrate Nitrogen	10 mg/ℓ	Color	5		
	Cd;Cadmium	0.005 mg/ℓ	ABS; Alkyl Benzene Sulfate	0.5 mg/ℓ		
B;Boron	0.3 mg/ℓ	pH	5.8~8.5			
Hazardous Organic Substances	Volatile Organics	Phenol	0.005 mg/ℓ	Aesthetic Substances	Zn; Zinc	1 mg/ℓ
		1,1,1-Trichloroethane	0.1 mg/ℓ		Cl ⁻ ; Chloride	250 mg/ℓ
		PCE;Tetrachloroethylene	0.01 mg/ℓ		Total Solds	500 mg/ℓ
		TCE;Trichloroethylene	0.03 mg/ℓ		Fe; Iron	0.3 mg/ℓ
		Dichloromethane	0.02 mg/ℓ		Mn; Manganese	0.3 mg/ℓ
		Benzene	0.01 mg/ℓ		Turbidity	1.0 NTU
		Toluene	0.7 mg/ℓ		SO ₄ ⁻² ;Sulfate	200 mg/ℓ
		Ethyle Benzene	0.3 mg/ℓ		Al; Aluminium	0.2 mg/ℓ