

Outline of the Revision:

The Ministerial Ordinance of Technical Standards for Water Supply Facilities

Amendment of judgement criteria for the standards of extraction water from water supply facilities

Appended Table 2 (in relation to Article 1)

Standards of extraction water from water supply facilities

(Draft Revision)

Items	Judgment criteria (mg/L or less)
Cadmium	<u>0.001 → 0.0003</u>
Mercury	0.00005
Selenium	0.001
Lead	0.001
Arsenic	0.001
Chromium	0.005
Cyanide	0.001
Nitrate nitrogen & nitrite nitrogen	1.0
Fluorine	0.08
Boron	0.1
Carbon tetrachloride	0.0002
1,4-Dioxane	0.005
1,2-dichloroethane	0.0004
Cis-1,2-dichloroethylene & Trans-1,2-dichloroethylene	0.004
Dichloromethane	0.002
Tetrachloroethylene	0.001
<u>1,1,2-trichloroethane → none</u>	<u>0.0006 → none</u>
Trichloroethylene	0.003
Benzene	0.001
Formaldehyde	0.008
Zinc	0.1
Aluminium	0.02
Iron	0.03
Copper	0.1
Sodium	20
Manganese	0.005
Chlorine ion	20
Evaporation residue	50
Anion surfactants	0.02
Nonionic surfactant	0.005

Phenols	0.0005 as convert it into the amount of phenol
Organic substances (total organic carbon)	0.5
Taste	Not abnormal
Smell	Not abnormal
Color	0.5 degrees or less
Turbidity	0.2 degrees or less
Epichlorohydrin	0.01
Amines	0.01 as Triethylenetetramine
2,4-toluenediamine	0.002
2,6-toluenediamine	0.001
Vinyl acetate	0.01
Styrene	0.002
1,2-butadiene	0.001
1,3-butadiene	0.001
N,N-dimethyl aniline	0.01

Transitional Measure:

With regard to water supply facilities (excluding pumps, hydrants or any other facilities which contact with water in significantly small area) which actually exist at the time of the enforcement and that are exposed to purified water or water in purification processes and does not conform to the provisions of Article 1 paragraph1, item17, (c) , until major upgrade of its facility, this provision shall not apply.

Reference:

The Ministerial Ordinance of Technical Standards for Water Supply Facilities

The following is the excerpt of the Ordinance describing the regulation of standards for extraction water from water supply facilities.

Article 1 Waterworks shall satisfy the following requirements:

(XVII). The quality of materials and mechanical equipment to be used (hereinafter referred to as “materials and equipment”) shall satisfy the following requirements:

i. ...

ii. ...

iii. That the quality of the materials and equipment that are exposed to purified water or water under the purifying process (excluding pumps, fire plugs and materials and equipment, only very small areas of which are exposed to water), is demonstrated to satisfy the standards in the right column of the a Appended table 2 regarding the items listed in the left column of the same table by the experiment of extraction that is conducted with their samples by order of the Minister for Health, Labour and Welfare

Appended Table 2 (in relation to Article 1)

Items	Standard
Cadmium	0.001mg/L or less
Mercury	0.00005mg/L or less
Selenium	0.001mg/L or less
Lead	0.001mg/L or less
Arsenic	0.001mg/L or less
Chrome	0.005mg/L or less
Cyanide	0.001mg/L or less
Nitrate Nitrogen & Nitrite-nitrogen	1.0mg/L or less
Fluorine	0.08mg/L or less
Boron	0.1mg/L or less
Carbon Tetrachloride	0.0002mg/L or less
1,4 Dioxane	0.005mg/L or less
1,2-Dichloroethane	0.0004mg/L or less
Cis-1, 2-Dichloroethylene & Trans-1,2- Dichloroethylene	0.004mg/L or less
Dichloromethane	0.002mg/L or less
Tetrachloroethylene	0.001mg/L or less
1,1,2-Trichloroethane	0.0006mg/L or less
Trichloroethylene	0.003mg/L or less
Benzene	0.001mg/L or less
Formaldehyde	0.008mg/L or less
Zinc	0.1 mg/L or less
Aluminium	0.02mg/L or less
Iron	0.03mg/L or less
Copper	0.1 mg/L or less
Sodium	20mg/L or less
Manganese	0.005mg/L or less
Chloride ion	20mg/L or less
Evaporation residue	50mg/L or less
Anionic surfactant	0.02mg/L or less
Nonionic surfactant	0.005mg/L or less
Phenols	0.0005mg/L or less as convert it into the amount of phenol
Organic substances (total organic carbon)	0.3mg/L or less
Taste	Not abnormal
Odor	Not abnormal
Color	0.5 degree or less
Turbidity	0.2 degree or less
Epichlorohydrin	0.01mg/L or less
Amines	0.01mg/L or less as Triethylenetetramine
2,4-Toluenediamine	0.002mg/L or less
2,6-Toluenediamine	0.001mg/L or less
Vinyl Acetate	0.01mg/L or less
Styrene	0.002mg/L or less
1,2-Butadiene	0.001mg/L or less
1,3-Butadiene	0.001mg/L or less
N,N-Dimethyl Aniline	0.01mg/L or less