

Standards

PRESCRIBED CONCENTRATIONS OR VALUES

Table A

Item	Parameters	Units of Measurement	Concentration or value (maximum unless otherwise stated)
1	Colour	mg/l Pt/Co scale	20
2	Turbidity (including suspended solids)	Formazin turbidity units	4
3	Odour (including hydrogen sulphide)	Dilution number	3 at 25°C
4	Taste	Dilution number	3 at 25°C
5	Temperature	°C	25
6	Hydrogen ion	pH value	9.5, (5.5 minimum)
7	Sulphate	mg SO ₄ /l	250
8	Magnesium	mg Mg/l	50
9	Sodium	mg Na/l	150
10	Potassium	mg K/l	12
11	Dry residues	mg/l	1500 (after drying at 180°C)
12	Nitrate	mg NO ₃ /l	50
13	Nitrite	mg NO ₂ /l	0.1
14	Ammonium (ammonia and ammonium ions)	mg NH ₄ /l	0.5
15	Kjeldahl nitrogen	mg N/l	1
16	Oxidizability (permanganate value)	mg O ₂ /l	5
17	Total organic carbon	mg C/l	No significant increase over that normally observed
18	Dissolved or emulsified hydrocarbons (after extraction with petroleum ether); minerals oils	µg/l	10
19	Phenols	µg C ₆ H ₅ OH/l	0.5
20	Surfactants	µg/l (as lauryl sulphate)	200
21	Aluminium	µg Al/l	200
22	Iron	µg Fe/l	200
23	Manganese	µg Mn/l	50
24	Copper	µg Cu/l	3000
25	Zinc	µg Zn/l	5000
26	Phosphorus	µg P/l	2200
27	Fluoride	µg F/l	1500
28	Silver	µg Ag/l	10 (i)

Notes: (i) If silver is used in water treatment process, 80 may be substituted for 10.

Table B

Item	Parameters	Units of Measurement	Maximum Concentration
1	Arsenic	µg As/l	50
2	Cadmium	µg Cd/l	5
3	Cynide	µg CN/l	50
4	Chromium	µg Cr/l	50
5	Mercury	µg Hg/l	1
6	Nickel	µg Ni/l	50
7	Lead	µg Pb/l	50
8	Antimony	µg Sb/l	10
9	Selenium	µg Se/l	10
10	Pesticides and related products:		
	(a) individual substances	µg/l	0.1
	(b) total substances (i)	µg/l	0.5
11	Polycyclic aromatic hydrocarbons (ii)	µg/l	0.2

Notes: (i) The sum of the detected concentrations of individual substances.

(ii) The sum of the detected concentrations of fluoranthene, benzo 3.4 fluoranthene, benzo 11.12 fluoranthene, benzo 3.4 pyrene, benzo 1.12 perylene and indeno (1,2,3-cd) pyrene.

Table C

Item	Parameters	Units of Measurement	Maximum Concentration
1	Total coliforms	number/100 ml	0
2	Faecal coliforms	number/100 ml	0
3	Faecal streptococci	number/100 ml	0
4	Sulphite-reducing clostridia	number/20 ml	≤1 (i)
5	Colony counts	number/1 ml at 22°C or 37°C	No significant increase over that normally observed

Notes: (i) Analysis by multiple tube method.

Table D⁽ⁱ⁾

Item	Parameters	Units of Measurement	Maximum Concentration or value
1	Conductivity	µS/cm	1500 at 20°C
2	Chloride	mg Cl/l	400
3	Calcium	mg Ca/l	250
4	Substances extractable in chloroform	mg/l dry residue	1
5	Boron	µg B/l	2000

6	Barium	µg Ba/l	1000
7	Benzo 3,4 pyrene	ng/l	10
8	Tetrachloromethane	µg/l	3
9	Trichloroethene	µg/l	30
10	Tetrachloroethene	µg/l	10

Note: (i) See regulation 3(3)(d).

Table E

Item	Parameters	Units of Measurement	Minimum Concentration (i)
1	Total hardness	mg Ca/l	60
2	Alkalinity	mg HCO ₃ /l	30

Note: (i) See regulation 3(4)