

SCHEDULE 1

Regulations 2, 11, 12, 13, 18 and 19

Concentrations or Values

PART 1

Wholesomeness

TABLE A:

MICROBIOLOGICAL PARAMETERS

| Prescribed concentrations or values Parameters | Maximum concentration or value | Units of Measurement |
|---|-----------------------------------|-------------------------|
| <i>Escherichia coli</i> (<i>E. coli</i>) | 0 | Number/100ml |
| Enterococci | 0 | Number/100ml |
| In the case of water in bottles or containers: | | |
| <i>Escherichia coli</i> (<i>E.coli</i>) | 0 | Number/250ml |
| Enterococci | | Number/250ml |
| <i>Pseudomonas aeruginosa</i> | 0 | Number/250ml |
| Colony count 22°C | 100 | Number/ml |

TABLE B:

CHEMICAL PARAMETERS

| Prescribed concentrations or values Parameters | Maximum concentration or value | Units of Measurement |
|--|--------------------------------------|-------------------------|
| Acrylamide ⁽¹⁾ | 0.10 | µg/l |
| Antimony | 5.0 | µg/l |
| Arsenic | 10 | µg/l |
| Benzene | 1.0 | µg/l |
| Benzo(a)pyrene | 0.010 | µg/l |
| Boron | 1.0 | mg/l |
| Bromate | 10 | µg/l |
| Cadmium | 5.0 | µg/l |
| Chromium | 50 | µg/l |
| Copper | 2.0 | mg/l |
| Cyanide | 50 | µg/l |

Status: This is the original version (as it was originally made).

| Prescribed concentrations or values | | Maximum concentration or value | Units of Measurement |
|--|---------------------------------|---|----------------------|
| Parameters | | | |
| 1,2 dichloroethane | | 3.0 | µg/l |
| Epichlorohydrin ⁽¹⁾ | | 0.10 | µg/l |
| Fluoride | | 1.5 | mg/l |
| Lead | | 10 | µg/l |
| | | | µg/l |
| Mercury | | 1.0 | µg/l |
| Nickel | | 20 | µg/l |
| Nitrate ⁽²⁾ | | 50 | mg/l |
| Nitrite ⁽²⁾ | | 0.5 (or 0.1 in the case of treatment works) | mg/l |
| Pesticides ⁽³⁾ — | Aldrin | 0.030 | µg/l |
| | Dieldrin | 0.030 | µg/l |
| | Heptachlor | 0.030 | µg/l |
| | Heptachlor epoxide | 0.030 | µg/l |
| | Other pesticides | 0.10 | µg/l |
| | Pesticides total ⁽⁴⁾ | 0.50 | µg/l |
| Polycyclic aromatic hydrocarbons ⁽⁵⁾ | | 0.10 | µg/l |
| Selenium | | 10 | µg/l |
| Tetrachloroethene and Trichloroethene ⁽⁶⁾ | | 10 | µg/l |
| Trihalomethanes: Total ⁽⁷⁾ | | 100 | µg/l |
| Vinyl chloride ⁽¹⁾ | | 0.50 | µg/l |

(1) The parametric value refers to the residual monomer concentration in the water as calculated according to specifications of the maximum release from the corresponding polymer in contact with the water. This is controlled by product specification.

(2) See also the nitrate-nitrite formula in regulation 4(1)(c).

(3) For these purposes “Pesticides” means:

- organic insecticides
- organic herbicides
- organic fungicides
- organic nematocides
- organic acaricides
- organic algicides
- organic rodenticides
- organic slimicides
- related products (inter alia, growth regulators) and their relevant metabolites, degradation and reaction products. Only those pesticides likely to be present in a given supply need be monitored.

(4) “Pesticides total” means the sum of the concentrations of the individual pesticides detected and quantified in the monitoring process.

(5) The specified compounds are:

- benzo(b)fluoranthene
- benzo(k)fluoranthene
- benzo(ghi)perylene
- indeno(1,2,3-cd)pyrene.

The parametric value applies to the sum of the concentrations of the individual compounds detected and quantified in the monitoring process.

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(6) The parametric value applies to the sum of the concentrations of the individual compounds detected and quantified in the monitoring process.

(7) The specified compounds are:

- chloroform
- bromoform
- dibromochloromethane
- bromodichloromethane.

The parametric value applies to the sum of the concentrations of the individual compounds detected and quantified in the monitoring process.

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National requirements – Prescribed concentrations or values

| Parameters | Maximum concentration or value | Units of Measurement |
|--------------------|--|----------------------|
| Aluminium | 200 | µg/l |
| Colour | 20 | mg/l Pt/Co |
| Iron | 200 | µg/l |
| Manganese | 50 | µg/l |
| Odour | Acceptable to consumers and no abnormal change | |
| Sodium | 200 | mg/l |
| Taste | Acceptable to consumers and no abnormal change | |
| Tetrachloromethane | 3 | µg/l |
| Turbidity | 4 | NTU |

Status: This is the original version (as it was originally made).

PART 2

Indicator Parameters

TABLE C:
Prescribed concentrations, values or states

| Parameters | Maximum concentration or value | Units of Measurement |
|---|---|--|
| Ammonium | 0.50 | mg/l |
| Chloride ⁽¹⁾ | 250 | mg/l |
| <i>Clostridium perfringens</i> (including spores) | 0 | Number/100ml |
| Coliform bacteria | 0 | Number/100ml (Number/250ml in the case of water put into bottles or containers) |
| Colony counts | No abnormal change | Number/ml at 22°C |
| Conductivity ⁽¹⁾ | 2500 | µS/cm at 20°C |
| Hydrogen ion | 9.5 (maximum) 6.5 (minimum) (in the case of still water put into bottles or containers the minimum is 4.5) | pH value pH value |
| Sulphate ⁽¹⁾ | 250 | mg/l |
| Total organic carbon (TOC) | No abnormal change | mgC/l |
| Turbidity ⁽²⁾ | 1 | NTU |

(1) The water should not be aggressive.

(2) Only in the case of surface water or groundwater that has been influenced by surface water.

PART 3

Radioactive substances parameters

TABLE D:

Prescribed values for radon, tritium and indicative dose of water intended for human consumption

| Parameters | Maximum concentration or value | Units of Measurement |
|--|---------------------------------------|-----------------------------|
| Indicative dose (for radioactivity) | 0.10 | mSv |
| Radon ⁽¹⁾ | 100 | Bq/l |
| Tritium (for radioactivity) ⁽²⁾ | 100 | Bq/l |

(1) Enforcement action by the local authority is deemed justified on radiological protection grounds without further consideration where radon concentrations exceed 1,000 Bq/l.

(2) If tritium concentration exceeds its parametric value, an investigation (which may include analysis) of the presence of artificial radionuclides must be carried out.