

SCHEDULE 1

Regulation 4

Recognition of natural mineral waters

PART I

Natural mineral waters extracted from the ground in Northern Ireland

1. A person seeking to have water which is extracted from the ground in Northern Ireland recognised as a natural mineral water for the purposes of Article 1 shall make application in writing to the district council within whose district the water is extracted, giving the particulars set out in paragraph 2.

2. The particulars to be given are—

- (a) the particulars in paragraph 1.1 of Section II of Annex I;
- (b) any other information showing that the requirements in paragraph 1.2 and 1.3 of the said Section II are established by analysis in accordance with that Section; and
- (c) such evidence as is satisfactory to show that the water contains no substance named in column 2 (parameters) of Table B in Schedule 3 opposite any of item numbers 1 to 9 in column 1 of the said Table in an amount, expressed in the unit of measurement specified opposite that substance in column 3 of that Table, which exceeds the maximum concentration specified opposite that substance in column 4 of that Table.

3. In so far as particulars of any of the anions, cations, non-ionised compounds or trace elements specified in column 1 of Schedule 2 are required to be given pursuant to paragraph 2, the concentration of each such anion, cation, non-ionised compound or trace element shall, in those particulars, be expressed in the unit of measurement specified opposite it in column 2 of that Schedule.

4. Where such particulars have been so given, the district council shall assess them and shall, for the purposes of Article 1, recognise the water to which those particulars relate if it is satisfied that—

- (a) the water is natural mineral water which complies with paragraph 3 of Section I of Annex I; and
- (b) the characteristics of the water have been assessed in accordance with—
 - (i) the points set out in paragraph (a) of the first unlettered sub-paragraph of paragraph 2 of Section I of Annex I;
 - (ii) the requirements and criteria listed in Section II of Annex I; and
 - (iii) recognised scientific methods.

5. The district council shall, on recognising a natural mineral water for the purposes of Article 1 in accordance with paragraph 4, publish an announcement of such recognition, and the grounds on which it has been granted, in the Belfast Gazette.

PART II

Natural mineral waters extracted from the ground in a country other than an EEA State

1. A person seeking to have a water which is extracted from the ground in a country other than an EEA State recognised as a natural mineral water for the purposes of Article 1 shall make application in writing to the Department, giving the particulars set out in paragraph 2.

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2. The particulars to be given are—
- (a) the particulars in paragraph 1.1 of Section II of Annex I;
 - (b) any other information showing that the requirements in paragraph 1.2 and 1.3 of the said Section II are established in accordance with that Section; and
 - (c) such evidence as is satisfactory to show that the water contains no substance named in column 2 (parameters) of Table B in Schedule 3 opposite any of item numbers 1 to 9 in column 1 of the said Table in an amount, expressed in the unit of measurement specified opposite that substance in column 3 of that Table, which exceeds the maximum concentration specified opposite that substance in column 4 of that Table.
3. In so far as particulars of any of the anions, cations, non-ionised compounds or trace elements specified in column 1 of Schedule 2 are required to be given pursuant to paragraph 2 the concentration of each such anion, cation, non-ionised compound or trace element shall, in those particulars, be expressed in the unit of measurement specified opposite it in column 2 of that Schedule.
4. The Department shall not recognise such a water unless the responsible authority of the country in which the water is extracted has certified that—
- (a) it is satisfied—
 - (i) that the requirements in paragraph 1.2 and 1.3 of Section II of Annex I are established by analysis in accordance with that Section; and
 - (ii) with the evidence given pursuant to sub-paragraph (c) of paragraph 2; and
 - (b) periodic checks are made to ascertain that—
 - (i) the water is natural mineral water which complies with paragraph 3 of Section I of Annex I;
 - (ii) the characteristics of the water are assessed in accordance with—
 - (aa) the points set out in paragraph (a) of the first unlettered sub-paragraph of paragraph 2 of Section 1 of Annex I;
 - (bb) the requirements and criteria listed in Section II of Annex I; and
 - (cc) recognised scientific methods; and
 - (iii) the provisions of paragraphs 2 and 3 of Annex II are being applied by the person exploiting the spring.
5. Recognition of such a water shall lapse after a period of five years unless the responsible authority of the country in which the water is extracted has renewed the certification required by paragraph 4.
6. The Department shall, on recognising a water in accordance with this Part, publish an announcement of such recognition in the Belfast Gazette.

SCHEDULE 2

Regulation 4(9)

Particulars of anions, cations, non-ionised compounds and trace elements

<i>Anions</i>	<i>Unit of measurement</i>
Borate BO_3^-	mg/l
Carbonate CO_3^{2-}	mg/l

<i>Anions</i>	<i>Unit of measurement</i>
Chloride Cl ⁻	mg/l
Fluoride F ⁻	µg/l
Hydrogen Carbonate HCO ₃ ⁻	mg/l
Nitrate NO ₃ ⁻	mg/l
Nitrite NO ₂ ⁻	mg/l
Phosphate PO ₄ ³⁻	mg/l
Silicate SiO ₂	mg/l
Sulphate S ₄ ²⁻	mg/l
Sulphide S ₂ ⁻	mg/l
<i>Cations</i>	<i>Unit of measurement</i>
Aluminium Al	mg/l
Ammonium NH ₄ ⁺	mg/l
Calcium Ca	mg/l
Magnesium Mg	mg/l
Potassium K	mg/l
Sodium Na	mg/l
<i>Non-ionised compounds</i>	<i>Unit of measurement</i>
Total organic carbon C	mg/l
Free carbon dioxide CO ₂	mg/l
Silica SiO ₂	mg/l
<i>Trace elements</i>	<i>Unit of measurement</i>
Barium Ba	µg/l
Bromine (total) Br	µg/l
Cobalt Co	µg/l
Copper Cu	µg/l
Iodine (total) I	µg/l
Iron Fe	µg/l
Lithium Li	µg/l
Manganese Mn	µg/l
Molybdenum Mo	µg/l
Strontium Sr	µg/l
Zinc Zn	µg/l

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SCHEDULE 3

Regulations 11, 12 and 16

**Requirements for spring water and drinking water
including prescribed concentrations or values of parameters**

PART I

Requirements for spring water and drinking water

1. Water satisfies the requirements of this Schedule if—
 - (a) the water does not contain any property, element, organism, or substance—
 - (i) (other than a parameter) at a concentration or value which would be injurious to health;
 - (ii) (whether or not a parameter) at a concentration or value which in conjunction with any other property, element, organism or substance it contains (whether or not a parameter) would be injurious to health;
 - (b) the water does not contain—
 - (i) concentrations or values of any of the parameters listed in Tables A to D in Part II in excess of the prescribed concentrations or values;
 - (ii) concentrations of trihalomethanes (being the aggregate of the concentrations of trichloromethane, dichlorobromomethane, dibromochloromethane and tribromomethane) in excess of 100 181 g/l; and
 - (c) in the case of water prepared from water which has been softened or desalinated, its hardness is not below a minimum concentration of 60 mg Ca/l and its alkalinity is not below a minimum concentration of 30 mg HCO₃/l.
2. The concentrations or values of the parameters listed in Tables A to D in Part II shall be read in conjunction with the notes thereto.

PART II

Prescribed Concentrations or Values

TABLE A

Column 1 <i>Item</i>	Column 2 <i>Parameters</i>	Column 3 <i>Units of Measurement</i>	Column 4 <i>Concentration or Value (maximum unless otherwise stated)</i>
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

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

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

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

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TABLE B

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

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

(ii) Notes (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

Column 1 <i>Item</i>	Column 2 <i>Parameters</i>	Column 3 <i>Units of Measurement</i>	Column 4 <i>Maximum Concentration</i>
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 number/1 ml at 37°C	100 ⁽ⁱⁱ⁾ 20 ⁽ⁱⁱ⁾

(i) Notes (i) Analysis by multiple tube method.

(ii) Notes (ii) The total viable colony count should be measured within 12 hours of bottling with the sample water being kept at a constant temperature during that 12-hour period. Any increase in the total viable colony count of the water between 12 hours after bottling and the time of sale shall not be greater than that normally expected.

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TABLE D

Column 1 <i>Item</i>	Column 2 <i>Parameters</i>	Column 3 <i>Units of Measurement</i>	Column 4 <i>Maximum Concentration or Value</i>
1.	Conductivity	µS/cm	1500 at 20°C
2.	Chloride	mg Cl/1	400
3.	Calcium	mg Ca/1	250
4.	Substances extractable in chloroform	mg/1 dry residue	1
5.	Boron	µg B/1	2000
6.	Barium	µg Ba/1	1000
7.	Benzo 3.4 pyrene	ng/1	10
8.	Tetrachloromethane	µg/1	3
9.	Trichloroethene	µg/1	30
10.	Tetrachloroethene	µg/1	10

SCHEDULE 4

Regulation 21

Revocations

Column 1 <i>Provisions revoked</i>	Column 2 <i>References</i>	Column 3 <i>Extent of revocation</i>
Natural Mineral Waters Regulations (Northern Ireland) 1985	S.R. 1985 No. 120	The whole Regulations
The Food Safety (Northern Ireland) Order 1991 (Consequential Modifications) Order (Northern Ireland) 1991	S.R. 1991 No. 203	Article 8
The Food Safety (Exports) Regulations (Northern Ireland) 1991	S.R. 1991 No. 344	In the Schedule the reference in column 2 to the Natural Mineral Waters Regulations (Northern Ireland) 1985 and the entries corresponding thereto in columns 1 and 3
The Food (Forces Exemptions) (Revocations) Regulations (Northern Ireland) 1992 (Northern Ireland) 1992	S.R. 1992 No. 464	In the Schedule the reference in column 2 to the Natural Mineral Waters Regulations (Northern Ireland) 1985 and the entries corresponding thereto in columns 1 and 3

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Column 1 <i>Provisions revoked</i>	Column 2 <i>References</i>	Column 3 <i>Extent of revocation</i>
The Drinking Water in Containers Regulations (Northern Ireland) 1994	S.R. 1994 No. 185	The whole Regulations