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ANNEX I

QUALITY OF SHELLFISH WATERS

	Parameter	G	I	Reference methods of analysis	Minimum sampling and measuring frequency
1.	pH pH unit		7 — 9	— Electrode Measured <i>in situ</i> at the time of sampling	Quarterly
2.	Temperature °C	A discharge affecting shellfish waters must not cause the temperature of the waters to exceed by more than 2 °C the temperature of waters not so affected		— Thermometer Measured <i>in situ</i> at the time of sampling	Quarterly
3.	Coloration (after filtration) mg Pt/l		A discharge affecting shellfish waters must not cause the colour of the waters after filtration to deviate by more than 10 mg Pt/l from the colour of	— Filtration through a 0.45 µm membrane Photometric method, using the platinum/cobalt scale	Quarterly

Abbreviations:

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 I = mandatory

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			waters not so affected		
4.	Suspended solids mg/l		A discharge affecting shellfish waters must not cause the suspended solid content of the waters to exceed by more than 30 % the content of waters not so affected	—	Quarterly Filtration through a 0.45 µm membrane, drying at 105 °C and weighing — Centrifuging (for at least five minutes, with mean acceleration 2 800 to 3 200 g), drying at 105 °C and weighing
5.	Salinity ‰	12 to 38 ‰	≤ 40 ‰ Discharge affecting shellfish waters must not cause their salinity to exceed by more than 10 % the salinity of waters not so affected	Conductimetry	Monthly
6.	Dissolved oxygen (Saturation %)	≥ 80 %	≥ 70 % (average value)	Winkler's method	Monthly, with a minimum

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			Should an individual measurement indicate a value lower than 70 %, measurements shall be repeated. An individual measurement may not indicate a value of less than 60 % unless there are no harmful consequences for the development of shellfish colonies	Electrochemical method	one sample representative of low oxygen conditions on the day of sampling. However, where major daily variations are suspected, a minimum of two samples in one day shall be taken
7.	Petroleum hydrocarbons		Hydrocarbons must not be present in the shellfish water in such quantities as to: — produce a visible film on the surface of the water and/or a deposit on	Visual examination	Quarterly

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			—	the shellfish, have harmful effects on the shellfish																							
8.	Organohalogenated substances	The concentration of each substance in shellfish flesh must be so limited that it contributes, in accordance with Article 1, to the high quality of shellfish products	The concentration of each substance in the shellfish water or in shellfish flesh must not reach or exceed a level which has harmful effects on the shellfish and larvae	Gas chromatography after extraction with suitable solvents and purification	Half-yearly																						
9.	<table border="1"> <tr> <td colspan="2"><i>Metals</i></td> </tr> <tr> <td>Silver</td> <td>Ag</td> </tr> <tr> <td>Arsenic</td> <td>As</td> </tr> <tr> <td>Cadmium</td> <td>Cd</td> </tr> <tr> <td>Chromium</td> <td>Cr</td> </tr> <tr> <td>Copper</td> <td>Cu</td> </tr> <tr> <td>Mercury</td> <td>Hg</td> </tr> <tr> <td>Nickel</td> <td>Ni</td> </tr> <tr> <td>Lead</td> <td>Pb</td> </tr> <tr> <td>Zinc</td> <td>Zn</td> </tr> <tr> <td>mg/l</td> <td></td> </tr> </table>	<i>Metals</i>		Silver	Ag	Arsenic	As	Cadmium	Cd	Chromium	Cr	Copper	Cu	Mercury	Hg	Nickel	Ni	Lead	Pb	Zinc	Zn	mg/l		The concentration of each substance in shellfish flesh must be so limited that it contributes in accordance with Article 1, to the high quality of shellfish products	The concentration of each substance in the shellfish water or in the shellfish flesh must not exceed a level which gives rise to harmful effects on the shellfish and their larvae The synergic	Spectrometry of atomic absorption preceded, where appropriate, by concentration and/or extraction	Half-yearly
<i>Metals</i>																											
Silver	Ag																										
Arsenic	As																										
Cadmium	Cd																										
Chromium	Cr																										
Copper	Cu																										
Mercury	Hg																										
Nickel	Ni																										
Lead	Pb																										
Zinc	Zn																										
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			effects of these metals must be taken into consideration		
10.	Faecal coliforms/100 ml	≤ 300 in the shellfish flesh and intervalvular liquid		Method of dilution with fermentation in liquid substrates in at least three tubes in three dilutions. Subculturing of the positive tubes on a confirmation medium. Count according to MPN (most probable number). Incubation temperature 44 °C ± 0,5 °C	Quarterly
11.	Substances affecting the taste of the shellfish		Concentration lower than that liable to impair the taste of the shellfish	Examination of the shellfish by tasting where the presence of one of these substances is presumed	
12.	Saxitoxin (produced by dinoflagellates)				

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ANNEX II

PART A

Repealed Directive with its amendment

Council Directive 79/923/EEC (OJ L 281, 10.11.1979, p. 47)	
Council Directive 91/692/EEC (OJ L 377, 31.12.1991, p. 48)	Only Annex I, point (e)

PART B

List of time-limits for transposition into national law**(referred to in Article 16)**

Directive	Time-limit for transposition
79/923/EEC	6 November 1981
91/692/EEC	1 January 1993

ANNEX III

CORRELATION TABLE

Directive 79/923/EEC	This Directive
Article 1	Article 1
Article 2	Article 2
Article 3	Article 3
Article 4(1) and (2)	Article 4(1)
Article 4(3)	Article 4(2)
Article 5	Article 5
Article 6(1), first subparagraph, introductory sentence	Article 6(1), first subparagraph, introductory sentence
Article 6(1), first subparagraph, first indent	Article 6(1), first subparagraph, point (a)
Article 6(1), first subparagraph, second indent	Article 6(1), first subparagraph, point (b)
Article 6(1), first subparagraph, third indent	Article 6(1), first subparagraph, point (c)
Article 6(1), second subparagraph	Article 6(1), second subparagraph
Article 6(2)	Article 6(2)

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Article 7	Article 7
Article 8	Article 8
Article 9	Article 9
Article 10	Article 10
Article 11	Article 11
Article 12	Article 12
Article 13, first paragraph, introductory sentence	Article 13(1), introductory sentence
Article 13, first paragraph, first indent	Article 13(1), point (a)
Article 13, first paragraph, second indent	Article 13(1), point (b)
Article 13, first paragraph, third indent	Article 13(1), point (c)
Article 13, second paragraph	Article 13(2)
Article 13, third paragraph	Article 13(3)
Article 14	Article 14
Article 15(1)	—
Article 15(2)	Article 15
—	Article 16
—	Article 17
Article 16	Article 18
Annex	Annex I
—	Annex II
—	Annex III