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ANNEXES 1 to 3

**ANNEXES**

**to the Proposal for a**

**DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**

**on the approximation of the laws of the Member States relating to caseins and caseinates  
intended for human consumption and repealing Council Directive 83/417/EEC**

## ANNEX I

### **EDIBLE CASEINS**

#### I. STANDARDS APPLICABLE TO EDIBLE ACID CASEIN'

##### **(a) Essential factors of composition**

1.	Maximum moisture content	12,0 % by weight
2.	Minimum milk protein content calculated on the dried extract 90 % by weight of which minimum casein content	95 % by weight
3.	Maximum milk fat content calculated on the dried extract	2,0 % by weight
4.	Maximum titratable acidity, expressed in ml of decinormal sodium hydroxide solution per g	0,27
5.	Maximum ash content (P <sub>2</sub> O <sub>5</sub> included)	2,5 % by weight
6.	Maximum anhydrous lactose content	1 % by weight
7.	Maximum sediment content (burnt particles)	22,5 mg in 25 g

##### **(b) Contaminants**

Maximum lead content	1 mg/kg
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##### **(c) Impurities**

Extraneous matter (such as wood or metal particles, hairs or insect fragments)	nil in 25 g
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##### **(d) Processing aids and bacterial cultures**

- (i) —lactic acid
  - hydrochloric acid
  - sulphuric acid
  - citric acid
  - acetic acid
  - orthophosphoric acid
- (ii) — whey
  - bacterial cultures producing lactic acid

##### **(e) Organoleptic characteristics**

- 1. *Odour:* No foreign odours
- 2. *Appearance:* Colour ranging from white to creamy white; the product must not contain any lumps that would not break up under slight pressure.

## II. STANDARDS APPLICABLE TO EDIBLE RENNET CASEIN

### (a) Essential factors of composition

1.	Maximum moisture content	12 % m/m
2.	Minimum milk protein content calculated on the dried extract	84 % by weight
	of which minimum casein content	95 % by weight
3.	Maximum milk fat content calculated on the dried extract	2 % by weight
4.	Minimum ash content (P <sub>2</sub> O <sub>5</sub> included)	7,50 % by weight
5.	Maximum anhydrous lactose content	1 % by weight
6.	Maximum sediment content (burnt particles)	22,5 mg in 25 g

### (b) Contaminants

Maximum lead content	1 mg /kg
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### (c) Impurities

Extraneous matter (such as wood or metal particles, hairs or insect ' fragments) nil in 25 g

### (d) Processing aids

—Rennet meeting the requirements of Regulation (EC) No 1332/2008;

—other milk-coagulating enzymes meeting the requirements of Regulation (EC) No 1332/2008.

### (e) Organoleptic characteristics

1. <i>Odour:</i>	No foreign odours
2. <i>Appearance:</i>	Colour ranging from white to creamy white; the product must not contain any lumps that would not break up under slight pressure.

## ANNEX II

### *EDIBLE CASEINATES*

#### STANDARDS APPLICABLE TO EDIBLE CASEINATES

**(a) Essential factors of composition**

1.	Maximum moisture content	8 % by weight
2.	Minimum content of milk protein casein, calculated on the dried extract	88 % by weight
3.	Maximum content of milk fat, calculated on the dried extract	2,0 % by weight
4.	Maximum anhydrous lactose content	1,0 % by weight
5.	pH value	6,0 to 8,0
6.	Maximum sediment content (burnt particles)	22,5 mg in 25 g

**(b) Contaminants**

Maximum lead content	1 mg /kg
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**(c) Impurities**

Extraneous matter (such as wood or metal particles, hairs or insect fragments)	nil in 25 g
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**(d) Processing aids**

(optional neutralizing and buffering agents)

hydroxydes	sodium
carbonates	potassium
	of calcium
phosphates	ammonium
citrates	magnesium

**(e) Characteristics**

1	<i>Odour:</i>	<i>Very slight foreign flavours and odours.</i>
2.	<i>Appearance:</i>	<i>Colour ranging from white to creamy white; the product must not contain any lumps that do not break under slight pressure.</i>
3.	<i>Solubility:</i>	<i>Almost entirely soluble in distilled water, except for the calcium caseinate.</i>

### **ANNEX III**

#### ***Correlation table***

Council Directive No 83/417/EEC	This Directive
Article 1	Articles 1 and 2
Article 2	Article 3
Article 3	Article 4
Article 4(1)	Article 5(1)
Article 4(2), first subparagraph	Article 5(2)
-Article 4(2), second subparagraph	Article 5(3)
Article 5	Article 2(a) and (b)
-	Article 6(1)
Article 6(1)	Article 6(2)
Article 6(2)	Article 6(3)
Article 7	-
Article 8	-
Article 9	-
Article 10	-
Article 11	-
-	Article 7
-	Article 8
Article 12	Article 9
-	Article 10
-	Article 11
Article 13	Article 12
Annex I, section I	Article 2, points (d) and (e)
Annex I, section II	Annex I, section I
Annex I, section III	Annex I, section II
Annex II, section I	Article 2, point (f)
Annex II, section II	Annex II
-	Annex III