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#### EN

### **ANNEX I**

## 'ANNEX I

# Fertilisers, soil conditioners and nutrients referred to in Article 3(1) and Article 6d(2)

A: authorised under Regulation (EEC) No 2092/91 and carried over by Article 16(3)(c) of Regulation (EC) No 834/2007

B: authorised under Regulation (EC) No 834/2007

	Name	
Authorisation	Compound products or products containing only materials listed hereunder:	Description, compositional requirements, conditions for use
A	Farmyard manure	Product comprising a mixture of animal excrements and vegetable matter (animal bedding).
		Factory farming origin forbidden
A	Dried farmyard manure and deliydrated poultr manure	y Factory farming origin forbidden
A	Composted animal excrements, including poultr manure and composted farmyard manure included	Factory farming origin forbidden
. A	Liquid animal excrements	Use after controlled fermentation and/or appropriate dilution
В	Composted or fermented mixture of household	Factory farming origin forbidden
		Product obtained from source separated household waste, which has been submitted to composting or to anaerobic fermentation for biogas production
		Only vegetable and animal household waste
		Only when produced in a closed and monitored collection system, accepted by the Member State
		Maximum concentrations in mg/kg of dry matter:
		cadmium: 0,7; copper: 70; nickel: 25; lead: 45; zinc: 200; mercury:
A	70	0,4; chromium (total): 70; chromium (VI): not detectable
	reat	Use limited to horticulture (market gardening, floriculture, arboriculture, nursery)
A	Mushroom culture wastes	The initial composition of the substrate shall be limited to products of this Annex
A	Dejecta of worms (vermicompost) and insects	
A	Guano	
A	Composted or fermented mixture of vegetable matter	roduct obtained from mixtures of vegetable matter, which have been ubmitted to composting or to anaerobic fermentation for biogas production

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В	Biogas digestate containing animal by product	leged material.
	digested with material of plant or animal origi	n as and digestive tract content of category 2 (categories 2 and
		3 as defined in Regulation (EC) No 1069/2009 of the European Parliament and of the Council must not be from factory farming origin.
		The Processes have to be in accordance with Commission Regulation (EU) No 142/2011 <sup>2</sup> .
D		Not to be applied to edible parts of the crop
В	Products or by-products of animal origin as belo	(1) Maximum concentration in mg/kg of dry matter of chromium (VI): not detectable
	Blood meal	(2) Not to be applied to edible parts of the crop
	Hoof meal	
	Horn meal	
	Bone meal or degelatinised bone meal	
	Fish meal	
	Meat meal	
	Feather, hair and "chiquette" meal	
	Wool	
	Fur (1)	
	Hair	
	Dairy products	
	Hydrolysed proteins (2)	
Α		Examples: oilseed cake meal, cocoa husks, malt culms
	lertilisers	Examples: oilseed cake meal, cocoa husks, malt culms
В	Hydrolysed proteins of plant origin	
Α	Seaweeds and seaweed products	
		As far as directly obtained by:
		(i) physical processes including dehydration freezing and a vi
		(ii) extraction with water or aqueous acid and/or alkaline solution  fermentation
A	Sawdust and wood chips	
	- wood emps	Wood not chemically treated after felling
A	Composted bark	Wood not chemically treated after felling
		sterileary treated after felling
A	Wood ash	Prom d
		From wood not chemically treated after felling

Regulation (EC) No 1069/2009 of the European Parliament and of the Council of 21 October 2009 laying down health rules as regards animal by-products and derived products not intended for human consumption and repealing Regulation (EC) No 1774/2002 (Animal by-products Regulation) (OJ L 300, 14.11.2009, p. 1).

<sup>2</sup> Commission Regulation (EU) No 142/2011 of 25 February 2011 implementing Regulation (EC) No 1069/2009 of the European Parliament and of the Council laying down health rules as regards animal by-products and derived products not intended for human consumption and implementing Council Directive 97/78/EC as regards certain samples and items exempt from veterinary checks at the border under that Directive (OJ L 54, 26.2.2011, p. 1).

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privileged material. A Soft ground rock phosphate Product as specified in point 7 of Annex IA.2. to Regulation (EC) No 2003/2003 of the European Parliament and of the Council<sup>3</sup> relating to fertilisers, 7 Cadmium content less than or equal to 90 mg/kg of P205 A Aluminium-calcium phosphate Product as specified in point 6 of Annex IA.2. of Regulation 2003/2003, Cadmium content less than or equal to 90 mg/kg of P205 Use limited to basic soils (pH > 7,5) Α Basic slag Products as specified in point 1 of Annex IA.2. of Regulation 2003/2003 A Crude potassium salt or kainit Products as specified in point 1 of Annex IA.3. of Regulation 2003/2003 A Potassium containing Product obtained from crude potassium salt by a physical extraction process, sulphate. possibly magnesium salt containing possibly also magnesium salts Stillage and stillage extract Α Ammonium stillage excluded Α Calcium carbonate Only of natural origin (for instance chalk, marl, ground limestone, Breton ameliorant, (maerl), phosphate chalk) В (1) Mollusc waste; (2) egg shells Not from factory farming origin A Magnesium and calcium carbonate Only of natural origin e.g. magnesian chalk, ground magnesium, limestone Α Magnesium sulphate (kieserite) Only of natural origin Α Calcium chloride solution Foliar treatment of apple trees, after identification of deficit of calcium A Calcium sulphate (gypsum) Products as specified in point 1 of Annex ID. of Regulation 2003/2003 Only of natural origin A, B Industrial lime from sugar production By-product of sugar production from sugar beet and sugar cane Industrial lime from vacuum salt production Α By-product of the vacuum salt production from brine found in mountains A Elemental sulphur Products as specified in Annex ID.3 of Regulation 2003/2003 Α Trace elements Inorganic micronutrients listed in part E of Annex I to Regulation 2003/2003 A Sodium chloride Only mined salt Α Stone meal and clavs

<sup>&</sup>lt;sup>3</sup> OJ L 304, 21.11.2003, p. 1.

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Leonardite (Raw organic sediment rich in humic Only if obtained as a by-product of mining activities В Humic and fulvic acids Only if obtained by inorganic salts/solutions excluding ammonium salts, or В from drinking water purification В Only if obtained as a by-product of mining activities (e.g. by-product of Xylite brown coal mining) Chitin (Polysaccharide obtained from the shell of Only if obtained from sustainable fisheries, as defined in Article 3(e) of В Council Regulation (EC) No 2371/20024 or organic aquaculture В Organic rich sediment from fresh water bodie Only organic sediments that are by-products of fresh water body management formed under exclusion of oxygen or extracted from former freshwater areas (e.g. sapropel) When applicable, extraction should be done in a way to cause minimal impact on the aquatic system Only sediments derived from sources free from contaminations of pesticides, persistent organic pollutants and petrol like substances Maximum concentrations in mg/kg of dry matter: cadmium: 0,7; copper: 70; nickel: 25; lead: 45; zinc: 200; mercury: 0,4; chromium (total): 70; chromium (VI): not detectable Biochar - pyrolysis product made from a wide В variety of organic materials of plant or animal origin and applied as a soil conditioner (1) Only from plants materials which have not been treated after harvest; (2) Maximum value of 4 mg polycyclic aromatic hydro-carbons (PAHs) per kg dry matter (DM). This value should be evaluated every second year; (3) All relevant contaminants must be monitored; (4) The risk management should consider the amounts of biochar used per surface area, and the cumulative effects of multiple applications

Council Regulation (EC) No 2371/2002 of 20 December 2002 on the conservation and sustainable exploitation of fisheries resources under the Common Fisheries Policy (OJ L 358,

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## ANNEX II

#### 'ANNEX VIII

Certain products and substances for use in production of processed organic food, yeast and yeast products referred to in Article 27(1)(a) and Article 27a(a)

## SECTION A — FOOD ADDITIVES, INCLUDING CARRIERS

For the purpose of the calculation referred to in Article 23(4)(a)(ii) of Regulation (EC) No 834/2007, food additives marked with an asterisk in the column of the code number, shall be calculated as ingredients of agricultural origin

Code	Name	Preparation	of foodstuff of		
Code	Name	plant origin	animal origin	Specific conditions	
E 153	Vegetable carbon		x	Ashy goat cheese Morbier cheese	
E 160b*	Annatto, Bixin, Norbixin		x	Red Leicester cheese Double Gloucester cheese Cheddar Mimolette cheese	
E 170	Calcium carbonate	x	х	Shall not be used for colouring o calcium enrichment of products	
220	Sulphur dioxide	х	X (Only for mead)	In fruit wines (*) and mead with and without added sugar): 100 mg (**)	
224	Potassium metabi- sulphite	ı	X (Only for mead)	In fruit wines (*) and mead with and without added sugar): 100 mg (**)	
			r f c a	*) In this context, 'fruit vine' is defined as wine made from ruits other than grapes (including ider and perry).  (**) Maximum levels vailable from all sources, expressed s SO <sub>2</sub> in mg/l.	
23	Sodium metabi sulphite	X		rustaceans (²)	

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privil	leged ma	aterial

				privileged material.
E 250	Sodium nitrite		х	For meat products (1):
or E 252	Potassium nitrate		x	
				For E 250: indicative ingoing amoun expressed as NaNO <sub>2</sub> : 80 mg/kg For E 252: indicative ingoing amoun expressed as NaNO <sub>3</sub> : 80 mg/kg
				For E 250; maximum residual amoun expressed as NaNO <sub>2</sub> ; 50 mg/kg
				For E 252: maximum residual amount expressed as NaNO <sub>3</sub> : 50 mg/kg
E 270	Lactic acid	X	X	
E 290	Carbon dioxide	x	x	
E <b>2</b> 96	Malic acid	х		
E 300	Ascorbic acid	х	X	Meat products (2)
E 301	Sodium ascorbate		X	Meat products (2) in connection with nitrates and nitrites
E 3060	Tocopherol-rich extract	X	х	Anti-oxidant
E 322(	*) Lecithins	x	X	Milk products (²) Only when derived from organic raw meteriaproduction! (***)
				(***) As from 1 January 2019.
325	Sodium lactate		x	Milk-based and meat products
330	Citric acid	X	X	Crustaceans and molluscs (²)
E 331	Sodium citrates	X	x	
333	Calcium citrates	х		

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Fact	· · · · · · · · · · · · · · · · · · ·		pr	ivileged material.
E 334	Tartaric acid (L(+H	X	X (Only fo mead)	
E 335	Sodium tartrates	х		
E 336	Potassium tartrates	х		
E 341 (i)	Monocalcium phosphate	x		Raising agent for self raising flour
E 392*	Extracts of rosemary	X	x	Only when derived from organic production
E 400	Alginic acid	х	X	Milk-based products (2)
E 401	Sodium alginate	х	x	Milk-based products (2)
E 402	Potassium alginate	x	x	Milk-based products (2)
E 406	Agar	Х	x	Milk-based and meat products (2)
E 407	Carrageenan	X	х	Milk-based products (2)
E 410*	Locust bean gum	X	x	Only derived from organic production
E 412*	Guar gum	Х	x	Only derived from organic production
E 414*	Arabic gum	x	x	Only derived from organic production
E 415	Xanthan gum	Х	X	
E 418	Gellan gum	X	X	High-acyl form only Only derived from organic production
	Tara gum powder	X.	×	Thickener Only derived from organic production
E 422	Glycerol	x	·	Only derived from organic production.  For plant extracts, flavourings, humectant in gel capsules and as a surface coaling of tablets.

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		<del></del>		privileged material.
E 440 (i)*	Pectin	х	X	Milk-based products (2)
E 464 .	Hydroxypropyl methy cellulose	x	x	Encapsulation material for capsules
E 500	Sodium carbonate	x	X	
E 501	Potassium carbonates	х		
E 503	Ammonium carbonates	х		
E 504	Magnesium carbonates	х		
E 509	Calcium chloride		Х	Milk coagulation
E 516	Calcium sulphate	х		Carrier
E 524	Sodium hydroxide	X		Surface treatment of 'Laugengebäck' and regulation of acidity in organic flavourings
3 551	Silicon dioxide	x	X	For herbs and spices in dried powdered form, flavourings and propolis  Products containing less than 1% of crystalline silica. Workers must be informed on the health, risks which must be or muitored
553b	Talc	X	x	Coating agent for meat products
901	Beeswax	ζ		As a glazing agent for confectionary only.
903	Carnauba wax			Beeswax from organic production  As a glazing agent for confectionary only.  As a mitigation method for mandatory extreme cold treatment as a quarantine measure; to be mentioned on label  Only when derived from organic production

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		privileged material.				
E 938	Argon	x	x			
E 939	Helium	x	x			
E 941	Nitrogen	x	X			
E 948	Oxygen	x	x			
E 968	Erythritol	х	х	Only when derived from organic production without using ion exchange technology		

<sup>(\*)</sup> This additive can only be used, if it has been demonstrated to the satisfaction of the competent authority that no technological alternative, giving the same guarantees and/or allowing to maintain the specific features of the product, is available.

(2) The restriction concerns only animal products.

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SECTION B — PROCESSING AIDS AND OTHER PRODUCTS, WHICH MAY BE USED FOR PROCESSING OF INGREDIENTS OF AGRICULTURAL ORIGIN FROM ORGANIC PRODUCTION

Name	INGR eparation foodstuffs plant origin	of	Preparation foodstuffs animal origin	0	
Water	X		X		Drinking water within the meaning of Counci Directive 98/83/EC
Calcium chloride	X				Coagulation agent
Calcium carbonate	X				
Calcium hydroxide	X	$\frac{1}{1}$			·
Calcium sulphate	X			c	Coagulation agent
Magnesium chloride (or nigar	X			C	oagulation agent
Potassium carbonate	X			D	rying of grapes
Sodium carbonate	MIGX	X	<u> </u>		
actic acid		X		Fo	r the regulation of the pH of the brine bath in
(+)lactic acid from	XX			Fo	rese production (')  respectively.  respectively.
itric acid	X	X			
odium hydroxide	Х		1	or or	sugar(s) production. oil production excluding olive oil production the preparation of pea protein and other plant
	x	X			atine production (1)
drochloric acid	2	ζ.	S	цga	ar(s) production (2)
			Fo	or t	tine production  the regulation of the pH of the brine bath in the
			lbr	oce	essing of Gouda-, Edam and Maasdammer ess, Boerenkaas, Friese and Leidse Nagelkaas
monium hydroxide	x		Ge	lati	ine production

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		n It is addressed for discussions and may privileged material.	
Hvdrogen peroxide			
arogen peroxide	X	Gelatine production	
	x		<del></del>
Carbon dioxide	X		
	x		
Nitrogen	x		
	х		
Ethanol			
	X	Solvent	
	r`		<del>-</del>
fannic acid		Filtration aid	
	х		_
gg white albumen			
	χ		_
asein			
lx			-
elatin	1		
x			_
nglass			
x			
getable oils	x	Greasing, releasing or anti-foaming agent Only when derived from organic production	
con dioxide gel or colloidal			
ivated carbon			
х			
;		In compliance with the specific billies	•
X		in compliance with the specific purity criteria for food additive E 553b	
ł			
onite	X	For the preparation of foodstuiffs of plant origin and as a sticking agent for mead  1)	
x		11)	
lose	x	Galatina and the state of	
х		Gelatine production II)	
maceous earth			
	X	Gelatine production !!)	
X			
9	x	Gelatine production I1)	
x		production (1)	
nut shells			
x			
neal			
x		•	
nx x		Releasing agent. Beeswax from organic beekeeping	

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	<del></del>		privileged material.
	×		
Carnauba wax			Releasing agent. Only when derived from organic raw material
Acetic acid/vinegar		X	Only when derived from organic production.  For fish processing, only from biotechnological source, except if produced by or from GMO
Thiamin hydrochloride	. X	X	Only for use in processing of fruit wines, including cider and perry and mead
Diammonium phosphate	X	X	Only for use in processing of fruit wines including
Wood Cl	х		The source of timber should be restricted to certified, sustainably harvested wood.  Wood used must not contain toxic according
Wood fibre  The restriction concerns only a	animal products.	X (2) The restriction con-	(Post-liai vest treatment naturally consults

Name	Primary yeast	Yeast confections	
Calcium chloride	X		
Carbon dioxide	X	Х	
Citric acid	X		
Lactic acid			For the regulation of the pH in yeast production
Laciic acid	X		
			For the regulation of the pH in yeast production
Nitrogen	х	X	
Oxygen	Х	X	
Potato starch			
	x	X	
•			For filtering
			Only when derived from organic production
Sodium carbonate			
	X	X	For the regulation of the pH
Vegetable oils			
·	x	x	Greasing, releasing or anti-foaming agent On when derived from organic production

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## **ANNEX III**

'ANNEX VIIIa

Type of treatment in accordance with Annex I A to Regulation (EC) No 606/2009	Name of products or substances	Specific conditions, restrictions within the limits an conditions set out in Regulation (EC) No 1234/200 and Regulation (EC) No 606/2009
Point 1: Use for aeration or oxygenation	— Air	
	Gaseous oxygen	
Point 3: Centrifuging and filtration	Perlite	Use only as an inert filtering agent
	Cellulose	
	— Diatomeceous earth	
Point 4: Use in order to create an iner		
atmosphere and to handle the product shielded from the air	Carbon dioxide	
from the air .	— Argon	
Points 5, 15 and 21: Use	Yeasts (1)	
·	— Di-ammonium phosphate	
Point 6: Use	Thiamine hydrochloride	
	<ul> <li>Inactivated yeast, autolysates of yeast and yeast hulls</li> </ul>	
Point 7: Use	Sulphur dioxide	(a) The maximum sulphur dioxide
	Potassium bisulphite or notossium metal: content shall not exceed 100 millis	content shall not exceed 100 milligrams pe litre for red wines as referred to in point 1(a
		of Part A of Annex I B to Regulation (EC) No 606/ 2009 and with a residual sugar leve
	·	lower than 2 grams per litre;
		(b) TThe maximum sulphur dioxide content shall not exceed 150 milligrams pe
		litre for white and rose wines as referred to in point 1(b) of Part A of Annex I B to
		Regulation (EC) No 606/2009 and with a residual sugar level lower than 2 grams per
Point 9: Use		litre
•	— Charcoal for oenological use	
Point 10: Clarification		
	Edible gelatine (2)	
	<ul> <li>Plant proteins from wheat or peas (²)</li> </ul>	
	— Isinglass (²)	
	- Egg white albumin (²)	
	- Tannins (²)  - Potato proteins (²)	
	Yeast protein extracts(2)	
	- Casein	
	Chitosan derived from Aspergillus niger	
	Potassium caseinate	
·	- Silicon dioxide	
	- Bentonite	
	- Pectolytic enzymes	
Point 12: Use for acidification purposes	- Lactic acid	
	- L(+)Tartaric acid	Lactic acid from organic origin

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Type of treatment in accordance with Annex III, point A(2)(b) to Regulation (EC) No 606/2009	— Inactivated yeast — Calcium sulphate	Only for 'vino generoso' or 'vino generoso d
Point 44: Use Point 51: Use	— Chitosan derived from Aspergillus niger	
Point 39: Use	— Potassium alginate	
Point 38: Use	— Oak chips	
Point 35: Use	Yeast mannoproteins	
Point 31: Use	— Copper sulphate	
Point 31: Use	— Cupric citrate	
Point 30: Use	— Potassium bitartrate	
Point 28: Use	— Acacia gum (²) (= gum arabic)	
Point 27: Addition	— Meta-tartaric acid	
Point 25: Addition	— Tannins (²)	
Point 24: Addition for wine stabilisat purposes	ion Citric acid	
Point 23: Addition	— Carbon dioxide	
Point 22: Use for bubbling	- Nitrogen	
Point 19: Addition	L-Ascorbic acid	
	— Lactic bacteria	
Point 17: Use	— Aleppo pine iesin	
Point 14: Addition	Neutral potassium tartrate     Potassium bicarbonate	
	L(+)Tartaric acid     Calcium carbonate	