

**PROCESSING ORGANIC PRODUCTION RULES**

**Applicable for processed agricultural products, including aquaculture products, for use as food, feed, wine and yeast used as food or feed, and other products listed in Annex I of Reg. UE 2018/848**

**ABSTRACTS FROM THE EUROPEAN REGULATIONS**

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**REGULATION (EU) 2018/848 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**  
**of 30 May 2018**  
**on organic production and labelling of organic products and repealing Council Regulation (EC) No 834/2007**

(ABSTRACT from consolidated version 2023-02-21)

**CHAPTER I - SUBJECT MATTER, SCOPE AND DEFINITIONS**

Article 1

**Subject matter**

This Regulation establishes the principles of organic production and lays down the rules concerning organic production, related certification and the use of indications referring to organic production in labelling and advertising, as well as rules on controls additional to those laid down in Regulation (EU) 2017/625.

Article 2

**Scope**

1. This Regulation applies to the following products originating from agriculture, including aquaculture and beekeeping, as listed in Annex I to the TFEU and to products originating from those products, where such products are, or are intended to be, produced, prepared, labelled, distributed, placed on the market, imported into or exported from the Union:

- (a) live or unprocessed agricultural products, including seeds and other plant reproductive material;
- (b) processed agricultural products for use as food;
- (c) feed.

This Regulation also applies to certain other products closely linked to agriculture listed in Annex I to this Regulation, where they are, or are intended to be, produced, prepared, labelled, distributed, placed on the market, imported into or exported from the Union.

2. This Regulation applies to any operator involved, at any stage of production, preparation and distribution, in activities relating to the products referred to in paragraph 1.

3. Mass catering operations carried out by a mass caterer as defined in point (d) of Article 2(2) of Regulation (EU) No 1169/2011 are not subject to this Regulation except as set out in this paragraph.

**CHAPTER III - PRODUCTION RULES***Article 9***General production rules**

1. Operators shall comply with the general production rules laid down in this Article.
2. The entire holding shall be managed in compliance with the requirements of this Regulation that apply to organic production.
3. For the purposes and uses referred to in Articles 24 and 25 and in Annex II, only products and substances that have been authorised pursuant to those provisions may be used in organic production, provided that their use in non-organic production has also been authorised in accordance with the relevant provisions of Union law and, where applicable, in accordance with national provisions based on Union law.

The following products and substances referred to in Article 2(3) of Regulation (EC) No 1107/2009 shall be allowed for use in organic production, provided that they are authorised pursuant to that Regulation:

- (a) safeners, synergists and co-formulants as components of plant protection products;
- (b) adjuvants that are to be mixed with plant protection products.

The use in organic production of products and substances for purposes other than those covered by this Regulation shall be allowed, provided that their use complies with the principles laid down in Chapter II.

4. Ionising radiation shall not be used in the treatment of organic food or feed, and in the treatment of raw materials used in organic food or feed.
5. The use of animal cloning, and the rearing of artificially induced polyploid animals, shall be prohibited.
6. Preventive and precautionary measures shall be taken, where appropriate, at every stage of production, preparation and distribution.
7. Notwithstanding paragraph 2, a holding may be split into clearly and effectively separated production units for organic, in-conversion and non-organic production, provided that for the non-organic production units:
  - (a) as regards livestock, different species are involved;
  - (b) as regards plants, different varieties that can be easily differentiated are involved.

As regards algae and aquaculture animals, the same species may be involved, provided that there is a clear and effective separation between the production sites or units.

8. By way of derogation from point (b) of paragraph 7, in the case of perennial crops which require a cultivation period of at least three years, different varieties that cannot be easily differentiated, or the same varieties, may be involved, provided that the production in question is within the context of a conversion plan, and provided that the conversion of the last part of the area related to the production in question to organic production begins as soon as possible and is completed within a maximum of five years.

In such cases:

- (a) the farmer shall notify the competent authority, or, where appropriate, the control authority or the control body, of the start of harvest of each of the products concerned at least 48 hours in advance;
- (b) upon completion of the harvest, the farmer shall inform the competent authority, or, where appropriate, the control authority or the control body, of the exact quantities harvested from the units concerned and of the measures taken to separate the products;

(c) the conversion plan and the measures to be taken to ensure the effective and clear separation shall be confirmed each year by the competent authority, or, where appropriate, by the control authority or the control body, after the start of the conversion plan.

9. The requirements concerning different species and varieties, laid down in points (a) and (b) of paragraph 7, shall not apply in the case of research and educational centres, plant nurseries, seed multipliers and breeding operations.

10. Where, in the cases referred to in paragraphs 7, 8 and 9, not all production units of a holding are managed under organic production rules, the operators shall:

(a) keep the products used for the organic and in-conversion production units separate from those used for the non-organic production units;

(b) keep the products produced by the organic, in-conversion and non-organic production units separate from each other;

(c) keep adequate records to show the effective separation of the production units and of the products.

#### *Article 11*

##### **Prohibition of the use of GMOs**

1. GMOs, products produced from GMOs, and products produced by GMOs shall not be used in food or feed, or as food, feed, processing aids, plant protection products, fertilisers, soil conditioners, plant reproductive material, micro-organisms or animals in organic production.

2. For the purposes of the prohibition laid down in paragraph 1, with regard to GMOs and products produced from GMOs for food and feed, operators may rely on the labels of a product that have been affixed or provided pursuant to Directive 2001/18/EC, Regulation (EC) No 1829/2003 of the European Parliament and of the Council or Regulation (EC) No 1830/2003 of the European Parliament and of the Council or any accompanying document provided pursuant thereto.

3. Operators may assume that no GMOs and no products produced from GMOs have been used in the manufacture of purchased food and feed where such products do not have a label affixed or provided, or are not accompanied by a document provided, pursuant to the legal acts referred to in paragraph 2, unless they have obtained other information indicating that the labelling of the products concerned is not in conformity with those legal acts.

4. For the purposes of the prohibition laid down in paragraph 1, with regard to products not covered by paragraphs 2 and 3, operators using non-organic products purchased from third parties shall require the vendor to confirm that those products are not produced from GMOs or produced by GMOs.

#### *Article 16*

##### **Production rules for processed food**

1. Operators that produce processed food shall comply, in particular, with the detailed production rules set out in Part IV of Annex II and in any implementing acts referred to in paragraph 3 of this Article.

#### *Article 17*

**Production rules for processed feed**

1. Operators that produce processed feed shall comply, in particular, with the detailed production rules set out in Part V of Annex II and in any implementing acts referred to in paragraph 3 of this Article.

*Article 18***Production rules for wine**

1. Operators that produce products of the wine sector shall comply, in particular, with the detailed production rules set out in Part VI of Annex II.

*Article 19***Production rules for yeast used as food or feed**

1. Operators that produce yeast to be used as food or feed shall comply, in particular, with the detailed production rules set out in Part VII of Annex II.

*Article 23***Collection, packaging, transport and storage**

1. Operators shall ensure that organic products and in-conversion products are collected, packaged, transported and stored in accordance with the rules set out in Annex III.

*Article 27***Obligations and actions in the event of suspicion of non-compliance**

Where an operator suspects that a product it has produced, prepared, imported or has received from another operator does not comply with this Regulation, that operator shall, subject to Article 28(2):

- (a) identify and separate the product concerned;
- (b) check whether the suspicion can be substantiated;
- (c) not place the product concerned on the market as an organic or in-conversion product and not use it in organic production, unless the suspicion can be eliminated;
- (d) where the suspicion has been substantiated or where it cannot be eliminated, immediately inform the relevant competent authority, or, where appropriate, the relevant control authority or control body, and provide it with available elements, where appropriate;
- (e) fully cooperate with the relevant competent authority, or, where appropriate, with the relevant control authority or control body, in verifying and identifying the reasons for the suspected non-compliance.

*Article 28***Precautionary measures to avoid the presence of non-authorised products and substances**

1. In order to avoid contamination with products or substances that are not authorised in accordance with the first subparagraph of Article 9(3) for use in organic production, operators shall take the following precautionary measures at every stage of production, preparation and distribution:

(a) put in place and maintain measures that are proportionate and appropriate to identify the risks of contamination of organic production and products with non-authorised products or substances, including systematic identification of critical procedural steps;

(b) put in place and maintain measures that are proportionate and appropriate to avoid risks of contamination of organic production and products with non-authorised products or substances;

(c) regularly review and adjust such measures; and

(d) comply with other relevant requirements of this Regulation that ensure the separation of organic, in-conversion and non-organic products.

2. Where an operator suspects, due to the presence of a product or substance that is not authorised pursuant to the first subparagraph of Article 9(3) for use in organic production in a product that is intended to be used or marketed as an organic or in-conversion product, that the latter product does not comply with this Regulation, the operator shall:

(a) identify and separate the product concerned;

(b) check whether the suspicion can be substantiated;

(c) not place the product concerned on the market as an organic or in-conversion product and not use it in organic production unless the suspicion can be eliminated;

(d) where the suspicion has been substantiated or where it cannot be eliminated, immediately inform the relevant competent authority, or, where appropriate, the relevant control authority or control body, and provide it with available elements, where appropriate;

(e) fully cooperate with the relevant competent authority, or, where appropriate, with the relevant control authority or control body, in identifying and verifying the reasons for the presence of non-authorised products or substances.

*Article 29***Measures to be taken in the event of the presence of non-authorised products or substances**

1. Where the competent authority, or, where appropriate, the control authority or control body, receives substantiated information about the presence of products or substances that are not authorised pursuant to the first subparagraph of Article 9(3) for use in organic production, or has been informed by an operator in accordance with point (d) of Article 28(2), or detects such products or substances in an organic or an in-conversion product:

(a) it shall immediately carry out an official investigation in accordance with Regulation (EU) 2017/625 with a view to determining the source and the cause in order to verify compliance with the first subparagraph of Article 9(3) and with Article 28(1); such investigation shall be completed as soon as possible, within a reasonable period, and shall take into account the durability of the product and the complexity of the case;

(b) it shall provisionally prohibit both the placing on the market of the products concerned as organic or in-conversion products and their use in organic production pending the results of the investigation referred to in point (a).

2. The product concerned shall not be marketed as an organic or in-conversion product or used in organic production where the competent authority, or, where appropriate, the control authority or control body, has established that the operator concerned:

- (a) has used products or substances not authorised pursuant to the first subparagraph of Article 9(3) for use in organic production;
- (b) has not taken the precautionary measures referred to in Article 28(1); or
- (c) has not taken measures in response to relevant previous requests from the competent authorities, control authorities or control bodies.

3. The operator concerned shall be given an opportunity to comment on the results of the investigation referred to in point (a) of paragraph 1. The competent authority, or, where appropriate, the control authority or control body, shall keep records of the investigation it has carried out.

Where required, the operator concerned shall take such corrective measures as necessary to avoid future contamination.

## CHAPTER IV - LABELLING

### *Article 30*

#### **Use of terms referring to organic production**

1. For the purposes of this Regulation, a product shall be regarded as bearing terms referring to organic production where, in the labelling, advertising material or commercial documents, such a product, its ingredients or feed materials used for its production are described in terms suggesting to the purchaser that the product, ingredients or feed materials have been produced in accordance with this Regulation. In particular, the terms listed in Annex IV and their derivatives and diminutives, such as 'bio' and 'eco', whether alone or in combination, may be used throughout the Union and in any language listed in that Annex for the labelling and advertising of products referred to in Article 2(1) which comply with this Regulation.

2. For the products referred to in Article 2(1), the terms referred to in paragraph 1 of this Article shall not be used anywhere in the Union, in any language listed in Annex IV, for the labelling, advertising material or commercial documents of a product which does not comply with this Regulation.

Furthermore, no terms, including terms used in trademarks or company names, or practices shall be used in labelling or advertising if they are liable to mislead the consumer or user by suggesting that a product or its ingredients comply with this Regulation.

3. Products that have been produced during the conversion period shall not be labelled or advertised as organic products or as in-conversion products.

However, plant reproductive material, food products of plant origin and feed products of plant origin that have been produced during the conversion period, which comply with Article 10(4), may be labelled and advertised as in-conversion products by using the term 'in- conversion' or a corresponding term, together with the terms referred to in paragraph 1.

4. The terms referred to in paragraph 1 and 3 shall not be used for a product for which Union law requires the labelling or advertising to state that the product contains GMOs, consists of GMOs or is produced from GMOs.

5. For processed food, the terms referred to in paragraph 1 may be used:

(a) in the sales description, and in the list of ingredients where such a list is mandatory pursuant to Union legislation, provided that:

- (i) the processed food complies with the production rules set out in Part IV of Annex II and with the rules laid down in accordance with Article 16(3);
- (ii) at least 95 % of the agricultural ingredients of the product by weight are organic; and

(iii) in the case of flavourings, they are only used for natural flavouring substances and natural flavouring preparations labelled in accordance with Article 16(2), (3) and (4) of Regulation (EC) No 1334/2008 and all of the flavouring components and carriers of flavouring components in the flavouring concerned are organic;

(b) only in the list of ingredients, provided that:

(i) less than 95 % of the agricultural ingredients of the product by weight are organic, and provided that those ingredients comply with the production rules set out in this Regulation; and

(ii) the processed food complies with the production rules set out in points 1.5, 2.1(a), 2.1(b) and 2.2.1 of Part IV of Annex II, with the exception of the rules on restricted use of non-organic agricultural ingredients set out in point 2.2.1 of Part IV of Annex II, and with the rules laid down in accordance with Article 16(3);

(c) in the sales description and in the list of ingredients, provided that:

(i) the main ingredient is a product of hunting or fishing;

(ii) the term referred to in paragraph 1 is clearly related in the sales description to another ingredient which is organic and different from the main ingredient;

(iii) all other agricultural ingredients are organic; and

(iv) the processed food complies with the production rules set out in points 1.5, 2.1(a), 2.1(b) and 2.2.1 of Part IV of Annex II, with the exception of the rules on restricted use of non-organic agricultural ingredients set out in point 2.2.1 of Part IV of Annex II, and with the rules laid down in accordance with Article 16(3).

The list of ingredients referred to in points (a), (b) and (c) of the first subparagraph shall indicate which ingredients are organic. The references to organic production may only appear in relation to the organic ingredients.

The list of ingredients referred to in points (b) and (c) of the first subparagraph shall include an indication of the total percentage of organic ingredients in proportion to the total quantity of agricultural ingredients.

The terms referred to in paragraph 1, when used in the list of ingredients referred to in points (a), (b), and (c) of the first subparagraph of this paragraph, and the indication of the percentage referred to in the third subparagraph of this paragraph shall appear in the same colour, identical size and style of lettering as the other indications in the list of ingredients.

6. For processed feed, the terms referred to in paragraph 1 may be used in the sales description and in the list of ingredients, provided that:

(a) the processed feed complies with the production rules set out in Parts II, III and V of Annex II and with the specific rules laid down in accordance with Article 17(3);

(b) all of the ingredients of agricultural origin that are contained in the processed feed are organic; and

(c) at least 95 % of the dry matter of the product are organic.

#### *Article 32*

#### **Compulsory indications**

1. Where products bear terms as referred to in Article 30(1), including products labelled as in-conversion products in accordance with Article 30(3):

(a) the code number of the control authority or control body to which the operator that carried out the last production or preparation operation is subject shall also appear in the labelling; and

(b) in the case of prepacked food, the organic production logo of the European Union referred to in Article 33 shall also appear on the packaging, except in cases referred to in Article 30(3) and points (b) and (c) of Article 30(5).

2. Where the organic production logo of the European Union is used, an indication of the place where the agricultural raw materials of which the product is composed have been farmed shall appear in the same visual field as the logo and shall take one of the following forms, as appropriate:

- (a) 'EU Agriculture', where the agricultural raw material has been farmed in the Union;
- (b) 'non-EU Agriculture', where the agricultural raw material has been farmed in third countries;
- (c) 'EU/non-EU Agriculture', where a part of the agricultural raw materials has been farmed in the Union and a part of it has been farmed in a third country.

For the purposes of the first subparagraph, the word 'Agriculture' may be replaced by 'Aquaculture' where appropriate and the words 'EU' and 'non-EU' may be replaced or supplemented by the name of a country, or by the name of a country and a region, if all of the agricultural raw materials of which the product is composed have been farmed in that country and, if applicable, in that region.

For the indication of the place where the agricultural raw materials of which the product is composed have been farmed, as referred to in the first and third subparagraphs, small quantities by weight of ingredients may be disregarded, provided that the total quantity of the disregarded ingredients does not exceed 5 % of the total quantity by weight of agricultural raw materials.

The words 'EU' or 'non-EU' shall not appear in a colour, size and style of lettering that is more prominent than the name of the product.

3. The indications referred to in paragraphs 1 and 2 of this Article and in Article 33(3) shall be marked in a conspicuous place in such a way as to be easily visible, and shall be clearly legible and indelible.

#### *Article 33*

#### **Organic production logo of the European Union**

1. The organic production logo of the European Union may be used in the labelling, presentation and advertising of products which comply with this Regulation.

The organic production logo of the European Union may also be used for information and educational purposes related to the existence and advertising of the logo itself, provided that such use is not liable to mislead the consumer as regards the organic production of specific products, and provided that the logo is reproduced in accordance with the rules set out in Annex V. In such case, the requirements of Article 32(2) and point 1.7 of Annex V shall not apply.

The organic production logo of the European Union shall not be used for processed food as referred to in points (b) and (c) of Article 30(5) and for in-conversion products as referred to in Article 30(3).

2. Except where used in accordance with the second subparagraph of paragraph 1, the organic production logo of the European Union is an official attestation in accordance with Articles 86 and 91 of Regulation (EU) 2017/625.

3. The use of the organic production logo of the European Union shall be optional for products imported from third countries. Where that logo appears in the labelling of such products, the indication referred to in Article 32(2) shall also appear in the labelling.

4. The organic production logo of the European Union shall follow the model set out in Annex V, and shall comply with the rules set out in that Annex.

5. National logos and private logos may be used in the labelling, presentation and advertising of products which comply with this Regulation.

#### *Article 35*

**Certificate**

1. Competent authorities, or, where appropriate, control authorities or control bodies, shall provide a certificate to any operator or group of operators that has notified its activity in accordance with Article 34(1) and complies with this Regulation. The certificate shall:

- (a) be issued in electronic form wherever possible;
- (b) allow at least the identification of the operator or group of operators including the list of the members, the category of products covered by the certificate and its period of validity;
- (c) certify that the notified activity complies with this Regulation; and
- (d) be issued in accordance with the model set out in Annex VI.

2. Without prejudice to paragraph 8 of this Article and to Article 34(2), operators and groups of operators shall not place products referred to in Article 2(1) on the market as organic products or in-conversion products unless they are already in possession of a certificate as referred to in paragraph 1 of this Article.

3. The certificate referred to in this Article shall be an official certificate within the meaning of point (a) of Article 86(1) of Regulation (EU) 2017/625.

4. An operator or a group of operators shall not be entitled to obtain a certificate from more than one control body in relation to activities carried out in the same Member State regarding the same category of products, including cases in which that operator or group of operators operates at different stages of production, preparation and distribution.

5. Members of a group of operators shall not be entitled to obtain an individual certificate for any of the activities covered by the certification of the group of operators to which they belong.

6. Operators shall verify the certificates of those operators that are their suppliers.

7. For the purposes of paragraphs 1 and 4 of this Article, products shall be classified in accordance with the following categories:

- (a) unprocessed plants and plant products, including seeds and other plant reproductive material;
- (b) livestock and unprocessed livestock products;
- (c) algae and unprocessed aquaculture products;
- (d) processed agricultural products, including aquaculture products, for use as food;
- (e) feed;
- (f) wine;
- (g) other products listed in Annex I to this Regulation or not covered by the previous categories.

*Article 39***Additional rules on actions to be taken by the operators and groups of operators**

1. In addition to the obligations laid down in Article 15 of Regulation (EU) 2017/625, operators and groups of operators shall:

- (a) keep records to demonstrate their compliance with this Regulation;
- (b) make all declarations and other communications that are necessary for official controls;

- (c) take relevant practical measures to ensure compliance with this Regulation;
- (d) provide, in form of a declaration to be signed and updated as necessary:
  - (i) the full description of the organic or in-conversion production unit and of the activities to be performed in accordance with this Regulation;
  - (ii) the relevant practical measures to be taken to ensure compliance with this Regulation;
  - (iii) an undertaking:
    - to inform in writing and without undue delay buyers of the products and to exchange relevant information with the competent authority, or, where appropriate, with the control authority or control body, in the event that a suspicion of non-compliance has been substantiated, that a suspicion of non-compliance cannot be eliminated, or that non-compliance that affects the integrity of the products in question has been established,
    - to accept the transfer of the control file in the case of change of control authority or control body or, in the case of withdrawal from organic production, the keeping of the control file for at least five years by the last control authority or control body,
    - to immediately inform the competent authority or the authority or body designated in accordance with Article 34(4) in the event of withdrawal from organic production, and
    - to accept the exchange of information among those authorities or bodies in the event that subcontractors are subject to controls by different control authorities or control bodies.

#### *Article 45*

#### **Import of organic and in-conversion products**

1. A product may be imported from a third country for the purpose of placing that product on the market within the Union as an organic product or as an in-conversion product, provided that the following three conditions are met:
- (a) the product is a product as referred to in Article 2(1);
  - (b) one of the following applies:
    - (i) the product complies with Chapters II, III and IV of this Regulation, and all operators and groups of operators referred to in Article 36, including exporters in the third country concerned, have been subject to controls by control authorities or control bodies recognised in accordance with Article 46, and those authorities or bodies have provided all such operators, groups of operators and exporters with a certificate confirming that they comply with this Regulation;
    - (ii) in cases where the product comes from a third country which is recognised in accordance with Article 47, that product complies with the conditions laid down in the relevant trade agreement; or
    - (iii) in cases where the product comes from a third country which is recognised in accordance with Article 48, that product complies with the equivalent production and control rules of that third country and is imported with a certificate of inspection confirming this compliance that was issued by the competent authorities, control authorities or control bodies of that third country; and
  - (c) the operators in third countries are able at any time to provide the importers and the national authorities in the Union and in those third countries with information allowing the identification of the operators that are their suppliers and the control authorities or control bodies of those suppliers, with a view to ensuring the traceability of the organic or in-conversion product concerned. That information shall also be made available to the control authorities or control bodies of the importers.

*ANNEX I***OTHER PRODUCTS REFERRED TO IN ARTICLE 2(1)**

- Yeasts used as food or feed,
- maté, sweetcorn, vine leaves, palm hearts, hop shoots, and other similar edible parts of plants and products produced therefrom,
- sea salt and other salts for food and feed,
- silkworm cocoon suitable for reeling,
- natural gums and resins,
- beeswax,
- essential oils,
- cork stoppers of natural cork, not agglomerated, and without any binding substances,
- cotton, not carded or combed,
- wool, not carded or combed,
- raw hides and untreated skins,
- plant-based traditional herbal preparations.

## ANNEX II

## DETAILED PRODUCTION RULES REFERRED TO IN CHAPTER III

## Part IV: Processed food production rules

In addition to the general production rules laid down in Articles 9, 11 and 16, the rules laid down in this Part shall apply to the organic production of processed food.

## 1. General requirements for the production of processed food

1.1. Food additives, processing aids and other substances and ingredients used for processing food and any processing practice applied, such as smoking, shall comply with the principles of good manufacturing practice ( 1 ).

1.2. Operators producing processed food shall establish and update appropriate procedures based on a systematic identification of critical processing steps.

1.3. The application of the procedures referred to in point 1.2 shall ensure that the produced processed products comply with this Regulation at all times.

1.4. Operators shall comply with and implement the procedures referred to in point 1.2, and, without prejudice to Article 28, shall in particular,:

- (a) take precautionary measures and keep records of those measures;
- (b) implement suitable cleaning measures, monitor their effectiveness and keep records of those operations;
- (c) guarantee that non-organic products are not placed on the market with an indication referring to organic production.

1.5. The preparation of processed organic, in-conversion and non-organic products shall be kept separate from each other in time or space. Where organic, in-conversion and non-organic products, in any combination, are prepared or stored in the preparation unit concerned, the operator shall:

- (a) inform the competent authority, or, where appropriate, the control authority or control body, accordingly;
- (b) carry out the operations continuously until the production run has been completed, separately in place or time from similar operations performed on any other kind of product (organic, in-conversion or non-organic);
- (c) store organic, in-conversion and non-organic products, before and after the operations, separate by place or time from each other;
- (d) keep available an updated register of all operations and quantities processed;
- (e) take the necessary measures to ensure identification of lots and to avoid mixtures or exchanges between organic, in-conversion and non-organic products;
- (f) carry out operations on organic or in-conversion products only after suitable cleaning of the production equipment.

1.6. Products, substances and techniques that reconstitute properties that are lost in the processing and storage of organic food, that correct the results of negligence in the processing of organic food, or that otherwise may be misleading as to the true nature of products intended to be marketed as organic food, shall not be used.

1.7. Operators shall keep available documentary evidence on authorisations for the use of non-organic agricultural ingredients for the production of processed organic food in accordance with Article 25 if they have obtained or used such authorisations.

## 2. Detailed requirements for the production of processed food

2.1. The following conditions shall apply to the composition of processed organic food:

- (a) the product shall be produced mainly from agricultural ingredients or products intended for use as food listed in Annex I; for the purpose of determining whether a product has been produced mainly from those products, added water and salt shall not be taken into account;
- (b) an organic ingredient shall not be present together with the same ingredient in non-organic form;
- (c) an in-conversion ingredient shall not be present together with the same ingredient in organic or non-organic form.

2.2. Use of certain products and substances in processing of food

2.2.1. Only food additives, processing aids and non-organic agricultural ingredients authorised pursuant to Article 24 or Article 25 for use in organic production, and the products and substances referred to in point 2.2.2 may be used in the processing of food, with the exception of products and substances of the wine sector, for which point 2 of Part VI shall apply, and with the exception of yeast, for which point 1.3 of Part VII shall apply.

2.2.2. In the processing of food, the following products and substances may be used:

- (a) preparations of micro-organisms and food enzymes normally used in food processing, provided that food enzymes to be used as food additives have been authorised pursuant to Article 24 for use in organic production;
- (b) substances and products defined in points (c) and (d)(i) of Article 3(2) of Regulation (EC) No 1334/2008 that have been labelled as natural flavouring substances or natural flavouring preparations in accordance with Article 16(2), (3) and (4) of that Regulation;
- (c) colours for stamping meat and eggshells in accordance with Article 17 of Regulation (EC) No 1333/2008;
- (d) natural colours and natural coating substances for the traditional decorative colouring of the shell of boiled eggs produced with the intention of placing them on the market at a given period of the year;
- (e) drinking water and organic or non-organic salt (with sodium chloride or potassium chloride as basic components) generally used in food processing;
- (f) minerals (trace elements included), vitamins, amino acids and micronutrients, provided that:
  - (i) their use in food for normal consumption is 'directly legally required', in the meaning of being directly required by provisions of Union law or provisions of national law compatible with Union law, with the consequence that the food cannot be placed at all on the market as food for normal consumption if those minerals, vitamins, amino acids or micronutrients are not added; or
  - (ii) as regards food placed on the market as having particular characteristics or effects in relation to health or nutrition or in relation to needs of specific groups of consumers:
    - in products referred to in points (a) and (b) of Article 1(1) of Regulation (EU) No 609/2013 of the European Parliament and of the Council ( 1 ) their use is authorised by that Regulation and acts adopted on the basis of Article 11(1) of that Regulation for the products concerned, or
    - in products regulated by Commission Directive 2006/125/EC, their use is authorised by that Directive.

2.2.3. Only the products for cleaning and disinfection authorised pursuant to Article 24 for use in processing shall be used for that purpose. Operators shall keep records of the use of those products, including the date or dates on which each product was used, the name of the product, its active substances and the location of such use.

2.2.4. For the purpose of the calculation referred to in Article 30(5), the following rules shall apply:

- (a) certain food additives authorised pursuant to Article 24 for use in organic production shall be calculated as agricultural ingredients;
- (b) preparations and substances referred to in points (a), (c), (d), (e) and (f) of point 2.2.2 shall not be calculated as agricultural ingredients;
- (c) yeast and yeast products shall be calculated as agricultural ingredients.

2.3. Operators shall keep records of any input used in the food production. In case of production of composite products, complete recipes/ formulae showing the quantities of input

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and output shall be kept available for the competent authority or control body.

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## ANNEX II

## DETAILED PRODUCTION RULES REFERRED TO IN CHAPTER III

**Part V: Processed feed production rules**

In addition to the general production rules laid down in Articles 9, 11 and 17, the rules laid down in this Part shall apply to the organic production of processed feed.

## 1. General requirements for the production of processed feed

1.1. Feed additives, processing aids and other substances and ingredients used for processing feed, and any processing practice used, such as smoking, shall comply with the principles of good manufacturing practice.

1.2. Operators that produce processed feed shall establish and update appropriate procedures based on a systematic identification of the critical processing steps.

1.3. The application of the procedures referred to in point 1.2 shall ensure that the produced processed products comply with this Regulation at all times.

1.4. Operators shall comply with and implement the procedures referred to in point 1.2, and, without prejudice to Article 28, shall in particular:

- (a) take precautionary measures and keep records of those measures;
- (b) implement suitable cleaning measures, monitor their effectiveness and keep records of those operations;
- (c) guarantee that non-organic products are not placed on the market with an indication referring to organic production.

1.5. The preparation of processed organic, in-conversion and non-organic products shall be kept separate from each other in time or space. Where organic, in-conversion and non-organic products, in any combination, are prepared or stored in the preparation unit concerned, the operator shall:

- (a) inform the control authority or control body accordingly;
- (b) carry out the operations continuously until the production run has been completed, separately in place or time from similar operations performed on any other kind of product (organic, in-conversion or non-organic);
- (c) store organic, in-conversion and non-organic products, before and after the operations, separate by place or time from each other;
- (d) keep available an updated register of all operations and quantities processed;
- (e) take the necessary measures to ensure identification of lots and to avoid mixtures or exchanges between organic, in-conversion and non-organic products;
- (f) carry out operations on organic or in-conversion products only after suitable cleaning of the production equipment.

## 2. Detailed requirements for the production of processed feed

2.1. Organic feed materials, or in-conversion feed materials, shall not enter simultaneously with the same feed materials produced by non-organic means into the composition of the organic feed product.

2.2. Any feed materials used or processed in organic production shall not have been processed with the aid of chemically synthesised solvents.

2.3. Only non-organic feed material of plant, algal, animal or yeast origin, feed material of mineral origin, and feed additives and processing aids authorised pursuant to Article 24 for use in organic production may be used in the processing of feed.

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2.4. Only the products for cleaning and disinfection authorised pursuant to Article 24 for use in processing shall be used for that purpose. Operators shall keep records of the use of those products, including the date or dates on which each product was used, the name of the product, its active substances, and the location of such use.

2.5. Operators shall keep records of any input used in the feed production. In the case of production of composite products, complete recipes/ formulae showing the quantities of input and output shall be kept available for the competent authority or control body.

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## ANNEX II

## DETAILED PRODUCTION RULES REFERRED TO IN CHAPTER III

## Part VI: Wine

## 1. Scope

1.1. In addition to the general production rules laid down in Articles 9, 10, 11, 16 and 18, the rules laid down in this Part shall apply to the organic production of the products of the wine sector as referred to in point (l) of Article 1(2) of Regulation (EU) No 1308/2013.

1.2. Commission Regulations (EC) No 606/2009 ( 1 ) and (EC) No 607/2009 ( 2 ) shall apply, save as explicitly provided otherwise in this Part.

## 2. Use of certain products and substances

2.1. Products of the wine sector shall be produced from organic raw material.

2.2. Only products and substances authorised pursuant to Article 24 for use in organic production may be used for the making of products of the wine sector, including during the oenological practices, processes and treatments, subject to the conditions and restrictions laid down in Regulation (EU) No 1308/2013 and Regulation (EC) No 606/2009, and in particular in Annex I A to the latter Regulation.

2.3. Operators shall keep records of the use of any product and substance used in the wine production and for cleaning and disinfection, including the date or dates on which each product was used, the name of the product, its active substances, and where applicable, the location of such use.

## 3. Oenological practices and restrictions

3.1. Without prejudice to Sections 1 and 2 of this Part and to specific prohibitions and restrictions provided for in points 3.2, 3.3 and 3.4, only oenological practices, processes and treatments, including the restrictions provided for in Article 80 and Article 83(2) of Regulation (EU) No 1308/2013, in Article 3, Articles 5 to 9 and Articles 11 to 14 of Regulation (EC) No 606/2009, and in the Annexes to those Regulations used before 1 August 2010 shall be permitted.

3.2. The use of the following oenological practices, processes and treatments shall be prohibited:

- (a) partial concentration through cooling in accordance with point (c) of Section B.1 of Part I of Annex VIII to Regulation (EU) No 1308/2013;
- (b) elimination of sulphur dioxide by physical processes in accordance with point 8 of Annex I A to Regulation (EC) No 606/2009;
- (c) electrodialysis treatment to ensure the tartaric stabilisation of the wine in accordance with point 36 of Annex I A to Regulation (EC) No 606/2009;
- (d) partial dealcoholisation of wine in accordance with point 40 of Annex I A to Regulation (EC) No 606/2009;
- (e) treatment with cation exchangers to ensure the tartaric stabilisation of the wine in accordance with point 43 of Annex I A to Regulation (EC) No 606/2009.

3.3. The use of the following oenological practices, processes and treatments is permitted under the following conditions:

- (a) heat treatments in accordance with point 2 of Annex I A to Regulation (EC) No 606/2009, provided that the temperature does not exceed 75 °C;
- (b) centrifuging and filtration with or without an inert filtering agent in accordance with point 3 of Annex I A to Regulation (EC) No 606/2009, provided that the size of the pores is not smaller than 0,2 micrometres.

3.4. Any amendment introduced after 1 August 2010 concerning the oenological practices, processes and treatments provided for in Regulation (EC) No 1234/2007 or Regulation

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(EC) No 606/2009 may apply to the organic production of wine only after those measures have been included as permitted in this Section and, if required, after an evaluation in accordance with Article 24 of this Regulation.

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*ANNEX II***DETAILED PRODUCTION RULES REFERRED TO IN CHAPTER III****Part VII: Yeast used as food or feed**

In addition to the general production rules laid down in Articles 9, 11, 16, 17 and 19, the rules laid down in this Part shall apply to the organic production of yeast used as food or feed.

**1. General requirements**

1.1. For the production of organic yeast, only organically produced substrates shall be used. However, until 31 December 2024, the addition of up to 5 % non-organic yeast extract or autolysate to the substrate (calculated in weight of dry matter) is allowed for the production of organic yeast where operators are unable to obtain yeast extract or autolysate from organic production.

1.2. Organic yeast shall not be present in organic food or feed together with non-organic yeast.

1.3. The following products and substances may be used in the production, confection and formulation of organic yeast:

- (a) processing aids authorised pursuant to Article 24 for use in organic production;
- (b) products and substances referred to in points (a), (b) and (e) of point 2.2.2 of Part IV.

1.4. Only the products for cleaning and disinfection authorised pursuant to Article 24 for use in processing shall be used for that purpose.

1.5. Operators shall keep records of any product and substance used for yeast production and for cleaning and disinfection, including the date or dates on which each product was used, the name of the product, its active substances, and the location of such use.

*ANNEX III***COLLECTION, PACKAGING, TRANSPORT AND STORAGE OF PRODUCTS****1. Collection of products and transport to preparation units**

Operators may carry out the simultaneous collection of organic, in-conversion and non-organic products only where appropriate measures have been taken to prevent any possible mixture or exchange between organic, in-conversion and non-organic products and to ensure the identification of the organic and in-conversion products. The operator shall keep the information relating to collection days, hours, the circuit and date and time of the reception of the products available to the control authority or control body.

**2. Packaging and transport of products to other operators or units****2.1. Information to be provided**

2.1.1. Operators shall ensure that organic products and in-conversion products are transported to other operators or units, including wholesalers and retailers, only in appropriate packaging, containers or vehicles closed in such a manner that alteration, including substitution, of the content cannot be achieved without manipulation or damage of the seal and provided with a label stating, without prejudice to any other indications required by Union law:

- (a) the name and address of the operator and, where different, of the owner or seller of the product;
- (b) the name of the product;
- (c) the name or the code number of the control authority or control body to which the operator is subject; and
- (d) where relevant, the lot identification mark in accordance with a marking system either approved at national level or agreed with the control authority or control body and which permits the linking of the lot with the records referred to in Article 34(5).

2.1.2. Operators shall ensure that compound feed authorised in organic production transported to other operators or holdings, including wholesalers and retailers, are provided with a label stating, in addition to any other indications required by Union law:

- (a) the information provided in point 2.1.1;
- (b) where relevant, by weight of dry matter:
  - (i) the total percentage of organic feed materials;
  - (ii) the total percentage of in-conversion feed materials;
  - (iii) the total percentage of feed materials not covered by points (i) and (ii);
  - (iv) the total percentage of feed of agricultural origin;
- (c) where relevant, the names of organic feed materials;
- (d) where relevant, the names of in-conversion feed materials; and
- (e) for compound feed that cannot be labelled in accordance with Article 30(6), the indication that such feed may be used in organic production in accordance with this Regulation.

2.1.3. Without prejudice to Directive 66/401/EEC, operators shall ensure that on the label of the packaging of a mixture of fodder plant seeds containing organic and in-conversion or non-organic seeds of certain different plant species for which an authorisation has been issued under the relevant conditions laid down in point 1.8.5 of Part I of Annex II to this

Regulation, information is provided on the exact components of the mixture, shown by percentage by weight of each component species, and where appropriate varieties.

In addition to the relevant requirements under Annex IV to Directive 66/401/EEC, that information shall include besides the indications required in the first paragraph of this point also the list of the component species of the mixture that are labelled as organic or in-conversion. The minimum total percentage by weight of organic and in-conversion seeds in the mixture shall be at least 70 %.

In case the mixture contains non-organic seeds, the label shall also include the following statement: 'The use of the mixture is only allowed within the scope of the authorisation and in the territory of the Member State of the competent authority which authorised the use of this mixture in conformity with point 1.8.5 of Annex II to Regulation (EU) 2018/848 on organic production and labelling of organic products.'

The information referred to in points 2.1.1 and 2.1.2 may be presented solely on an accompanying document, if such a document can be undeniably linked with the packaging, container or vehicular transport of the product. This accompanying document shall include information on the supplier or the transporter.

2.2. The closing of packaging, containers or vehicles shall not be required where:

- (a) the transport takes place directly between two operators, both of which are subject to the organic control system;
- (b) the transport includes only organic or only in-conversion products;
- (c) the products are accompanied by a document giving the information required under point 2.1; and
- (d) both the expediting and the receiving operators keep documentary records of such transport operations available for the control authority or control body.

3. Special rules for transporting feed to other production or preparation units or storage premises

When transporting feed to other production or preparation units or storage premises, operators shall ensure that the following conditions are met:

- (a) during transport, organically produced feed, in-conversion feed, and non-organic feed are effectively physically separated;
- (b) vehicles or containers which have transported non-organic products are only used to transport organic or in-conversion products if:
  - (i) suitable cleaning measures, the effectiveness of which has been checked, have been carried out before commencing the transport of organic or in-conversion products and the operators keep records of those operations;
  - (ii) all appropriate measures are implemented, depending on the risks evaluated in accordance with control arrangements, and where necessary, operators guarantee that non-organic products cannot be placed on the market with an indication referring to organic production;
  - (iii) the operator keeps documentary records of such transport operations available for the control authority or control body;
- (c) the transport of finished organic or in-conversion feed is separated physically or in time from the transport of other finished products;
- (d) during transport, the quantity of products at the start and each individual quantity delivered in the course of a delivery round is recorded.

4. Transport of live fish

4.1. Live fish shall be transported in suitable tanks with clean water which meets their physiological needs in terms of temperature and dissolved oxygen.

4.2. Before transport of organic fish and fish products, tanks shall be thoroughly cleaned, disinfected and rinsed.

4.3. Precautions shall be taken to reduce stress. During transport, the density shall not reach a level which is detrimental to the species.

4.4. Records shall be kept for operations referred to in points 4.1, 4.2 and 4.3.

**5. Reception of products from other operators or units**

On receipt of an organic or in-conversion product, the operator shall check the closing of the packaging, container or vehicle where it is required and the presence of the indications provided for in Section 2.

The operator shall cross-check the information on the label referred to in Section 2 with the information on the accompanying documents. The result of those verifications shall be explicitly mentioned in the records referred to in Article 34(5).

**6. Special rules for the reception of products from a third country**

Where organic or in-conversion products are imported from a third country, they shall be transported in appropriate packaging or containers, closed in a manner that prevents the substitution of the content and bearing the identification of the exporter and any other marks and numbers that serve to identify the lot, and shall be accompanied by the certificate of control for import from third countries where appropriate.

On receipt of an organic or in-conversion product imported from a third country, the natural or legal person to whom the imported consignment is delivered and who receives it for further preparation or marketing shall check the closing of the packaging or container and, in the case of products imported in accordance with point (b)(iii) of Article 45(1), shall check that the certificate of inspection referred to in that Article covers the type of product contained in the consignment. The result of this verification shall be explicitly mentioned in the records referred to in Article 34(5).

**7. Storage of products**

7.1. Areas for the storage of products shall be managed in such a way as to ensure identification of lots and to avoid any mixing or contamination with products or substances not in compliance with the organic production rules. Organic and in-conversion products shall be clearly identifiable at all times.

7.2. No input products or substances other than those authorised pursuant to Articles 9 and 24 for use in organic production shall be stored in organic or in-conversion plant and livestock production units.

7.3. Allopathic veterinary medicinal products, including antibiotics, may be stored in agricultural and aquaculture holdings provided that they have been prescribed by a veterinarian in connection with the treatment referred to in points 1.5.2.2 of Part II and 3.1.4.2(a) of Part III of Annex II, that they are stored in a supervised location and that they are entered in the records referred to in Article 34(5).

7.4. Where operators handle organic, or in-conversion or non-organic products in any combination and the organic or in-conversion products are stored in storage facilities in which also other agricultural products or foodstuffs are stored:

(a) the organic or in-conversion products shall be kept separate from the other agricultural products or foodstuffs;

(b) every measure shall be taken to ensure identification of consignments and to avoid mixtures or exchanges between organic, in-conversion and non-organic products;

(c) suitable cleaning measures, the effectiveness of which has been checked, shall have been carried out before the storage of organic or in-conversion products and the operators shall keep records of those operations.

7.5. Only the products for cleaning and disinfection authorised pursuant to Article 24 for use in organic production shall be used in storage facilities for that purpose.

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**COMMISSION IMPLEMENTING REGULATION (EU) 2021/1165**

**of 15 July 2021**

**authorising certain products and substances for use in organic production and establishing their lists**

**(ABSTRACT from consolidated version 2023-02-07)**

**ANNEX III**

**Authorised products and substances for use as feed or in feed production**

**PART A**

**Authorised non-organic feed material of plant, algal, animal or yeast origin or feed material of microbial or mineral origin referred to in point (c) of Article 24(1) of Regulation (EU) 2018/848**

**1. FEED MATERIALS OF MINERAL ORIGIN**

<b>Number in feed catalogue (1)</b>	<b>Name</b>	<b>Specific conditions and limits</b>
11.1.1	Calcium carbonate	
11.1.2	Calcareous marine shells	
11.1.4	Maerl	
11.1.5	Lithothamn	
11.1.13	Calcium gluconate	
11.2.1	Magnesium oxide	
11.2.4	Magnesium sulphate anhydrous	
11.2.6	Magnesium chloride	
11.2.7	Magnesium carbonate	
11.3.1	Dicalcium phosphate	
11.3.2	Monocalcium phosphate	
11.3.3	Monocalcium phosphate	
11.3.5	Calcium-magnesium phosphate	

11.3.8	Magnesium phosphate	
11.3.10	Monosodium phosphate	
11.3.16	Calcium sodium phosphate	
11.3.17	Monoammonium phosphate (Ammonium dihydrogen orthophosphate)	only for aquaculture
11.3.19	Pentasodium triphosphate (STPP)	only for pet food
11.3.27	Disodium dihydrogen diphosphate (SAPP)	only for pet food
11.4.1	Sodium chloride	
11.4.2	Sodium bicarbonate	
11.4.4	Sodium carbonate	
11.4.6	Sodium sulphate	
11.5.1	Potassium chloride	

(1) In accordance with Commission Regulation (EU) No 68/2013 of 16 January 2013 on the Catalogue of feed materials (OJ L 29, 30.1.2013, p. 1).

### 1. OTHER FEED MATERIALS

Number in feed catalogue (1)	Name	Specific conditions and limits
10	Meal, oil and other feed materials of fish or other aquatic animals origin	provided that they are obtained from fisheries that have been certified as sustainable under a scheme recognised by the competent authority in line with the principles laid down in Regulation (EU) No 1380/2013 provided that they are produced or prepared without chemically synthesised solvents their use is authorised only to non- herbivores livestock the use of fish protein hydrolysate is authorised only for young non- herbivores livestock
10	Meal, oil and other feed materials of fish, mollusc or crustacean origin	for carnivorous aquaculture animals from fisheries that have been certified as sustainable under a scheme recognised by the competent authority in line with the principles laid down in Regulation (EU) No 1380/2013, in accordance with point 3.1.3.1(c) of Part III of Annex II to Regulation (EU) 2018/848 derived from trimmings of fish, crustaceans or molluscs already caught for human consumption in accordance with point 3.1.3.3(c) of Part III of Annex II to Regulation (EU) 2018/848, or derived from whole fish, crustaceans or molluscs caught and not used for human consumption in accordance with point 3.1.3.3(d) of Part III of Annex II to Regulation (EU) 2018/848
10	Fishmeal and fish oil	in the grow-out phase, for fish in inland waters, penaeid shrimps and freshwater prawns and tropical freshwater fish from fisheries that have been certified as sustainable under a scheme recognised by the competent authority in line with the principles laid down in Regulation (EU) No 1380/2013, in accordance with point 3.1.3.1(c) of Part III of Annex II to Regulation (EU) 2018/848 only where natural feed in ponds and lake is not available in sufficient quantities, maximum 25 % of fishmeal and 10 % of fish oil in the feed ration of penaeid shrimps and freshwater prawns ( <i>Macrobrachium</i> spp.) and maximum 10 % of fishmeal or fish oil in the feed ration of siamese catfish ( <i>Pangasius</i> spp.), in accordance with point 3.1.3.4(c)(i) and (ii) of Part III of Annex II to Regulation (EU) 2018/ 848
12.1.5	Yeasts	when not available from organic production
12.1.12	Yeast products	when not available from organic production
	Cholesterol	product obtained from wool grease (lanolin) by saponification, separations and crystallisation, from shellfish or other sources to secure the quantitative dietary needs of penaeid shrimps and freshwater prawns ( <i>Macrobrachium</i> spp.) in the grow-out stage and in earlier life stages in nurseries and hatcheries when not available from organic production

	Herbs	in accordance with point (e)(iv) of Article 24(3) of Regulation (EU) 2018/848, in particular: — when not available in organic form — produced/prepared without chemical solvents — maximum 1 % in the feed ration
	Molasses	in accordance with point (e)(iv) of Article 24(3) of Regulation (EU) 2018/848, in particular: — when not available in organic form — produced/prepared without chemical solvents — maximum 1 % in the feed ration
	Phytoplankton and zooplankton	only in the larval rearing of organic juveniles
	specific protein compounds	In accordance with point 1.9.3.1(c) and 1.9.4.2(c) of Regulation (EU) 2018/848, in particular: — until 31 December 2026, — when not available in organic form, — produced/prepared without chemical solvents, — for feeding piglets of up to 35 kg or young poultry, — maximum 5 % of the dry matter of feed from agricultural origin per period of 12 months
	Spices	in accordance with point (e)(iv) of Article 24(3) of Regulation (EU) 2018/848, in particular: — when not available in organic form — produced/prepared without chemical solvents — maximum 1 % in the feed ration

<sup>(1)</sup> In accordance with Regulation (EU) No 68/2013.

## PART B

### Authorised feed additives and processing aids used in animal nutrition referred to in point (d) of Article 24(1) of Regulation (EU) 2018/848

Feed additives listed in this Part must be authorised under Regulation (EC) No 1831/2003.

The specific conditions set out here are to be applied in addition to the conditions of the authorisations under Regulation (EC) No 1831/2003.

#### 1. TECHNOLOGICAL ADDITIVES

##### a) Preservatives

ID number or functional group	Name	Specific conditions and limits
E 200	Sorbic acid	
E 236	Formic acid	
E 237	Sodium formate	
E 260	Acetic acid	
E 270	Lactic acid	
E 280	Propionic acid	
E 330	Citric acid	

*b) Antioxidants*

ID number or functional group	Name	Specific conditions and limits
1b306(i)	Tocopherol extracts from vegetable oils	
1b306(ii)	Tocopherol-rich extracts from vegetable oils (delta rich)	

*c) Emulsifiers, stabilisers, thickeners and gelling agents*

ID number or functional group	Name	Specific conditions and limits
1c 322	Lecithins	only when derived from organic raw material
1c 322i		use restricted to aquaculture animal feed
E 407	Carrageenan	only for pet food
E 410	Locust bean gum (Carob gum)	only for pet food obtained only from a roasting process from organic production if available
E 412	Guar gum	
E 414	Acacia (Gum arabic)	only for pet food from organic production if available
E 415	Xanthan gum	

*d) Binders and anti-caking agents*

ID number or functional group	Name	Specific conditions and limits
E 412	Guar gum	
E 535	Sodium ferrocyanide	maximum content: 20 mg/kg NaCl calculated as ferrocyanide anion
E 551b	Colloidal silica	
E 551c	Kieselgur (diatomaceous earth, purified)	
1m558i	Bentonite	
E 559	Kaolinitic clays, free of asbestos	

E 560	Natural mixtures of steatites and chlorite	
E 561	Vermiculite	
E 562	Sepiolite	
E 563	Sepiolitic clay	
E 566	Natrolite-Phonolite	
1g568	Clinoptilolite of sedimentary origin	
1g599	Illite-montmorillonite-kaolinite	
E 599	Perlite	

*e) Silage additives*

ID number or functional group	Name	Specific conditions and limits
1k	Enzymes, micro-organisms	only authorised to ensure adequate fermentation
1k236	Formic acid	
1k237	Sodium formate	
1k280	Propionic acid	
1k281	Sodium propionate	

*f) substances for reduction of the contamination of feed by mycotoxins*

ID number or functional group	Name	Specific conditions and limits
1m588	Bentonite	

**2. SENSORY ADDITIVES**

ID number or functional group	Name	Specific conditions and limits
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ex2a	Astaxanthin	only when derived from organic sources, such as organic crustacean shells only in the feed ration for salmon and trout within the limit of their physiological needs if no astaxanthin derived from organic sources are available, astaxanthin from natural sources may be used such as Astaxanthin-rich <i>Phaffia rhodozyma</i>
ex2b	Flavouring compounds	only extracts from agricultural products, including Chestnut extract ( <i>Castanea sativa</i> Mill.)

### 3. NUTRITIONAL ADDITIVES

#### a) Vitamins, pro-vitamins and chemically well-defined substances having similar effect

ID number or functional group	Name	Specific conditions and limits
ex3a	Vitamins and Provitamins	derived from agricultural products if not available from agricultural products: — derived synthetically, only those identical to vitamins derived from agricultural products may be used for monogastric animals and aquaculture animals — derived synthetically, only vitamins A, D and E identical to vitamins derived from agricultural products may be used for ruminants; the use is subject to prior authorisation of the Member States based on the assessment of the possibility for organic ruminants to obtain the necessary quantities of the said vitamins through their feed rations
3a370	Taurine	only for cats and dogs not from synthetic origin, if available
3a920	Betaine anhydrous	only for monogastric animals and fish from organic production; if not available, from natural origin

#### b) Compounds of trace elements

ID number or functional group	Name	Specific conditions and limits
3b101	Iron(II) carbonate (siderite)	
3b103	Iron(II) sulphate monohydrate	
3b104	Iron(II) sulphate heptahydrate	
3b201	Potassium iodide	
3b202	Calcium iodate, anhydrous	
3b203	Coated granulated calcium iodate anhydrous	
3b301	Cobalt(II) acetate tetrahydrate	
3b302	Cobalt(II) carbonate	

3b303	Cobalt(II) carbonate hydroxide (2:3) monohydrate	
3b304	Coated granulated cobalt(II) carbonate	
3b305	Cobalt(II) sulphate heptahydrate	
3b402	Copper(II) carbonate dihydroxy monohydrate	
3b404	Copper (II) oxide	
3b405	Copper(II) sulphate pentahydrate	
3b409	Dicopper chloride trihydroxide	
3b502	Manganese (II) oxide	
3b503	Manganous sulfate, monohydrate	
3b603	Zinc oxide	
3b604	Zinc sulphate heptahydrate	
3b605	Zinc sulphate monohydrate	
3b609	Zinc chloride hydroxide monohydrate	
3b701	Sodium molybdate dihydrate	
3b801	Sodium selenite	
3b802	Coated granulated sodium selenite	
3b803	Sodium selenate	
3b810	Selenised yeast, <i>Saccharomyces cerevisiae</i> CNCM I-3060, inactivated	
3b811	Selenised yeast, <i>Saccharomyces cerevisiae</i> NCYC R397, inactivated	
3b812	Selenised yeast, <i>Saccharomyces cerevisiae</i> CNCM I-3399, inactivated	
3b813	Selenised yeast, <i>Saccharomyces cerevisiae</i> NCYC R646, inactivated	
3b817	Selenised yeast, <i>Saccharomyces cerevisiae</i> NCYC R645 inactivated	

c) Amino acids, their salts and analogues

ID number or functional group	Name	Specific conditions and limits
3c3.5.1 and 3c352	L-histidine monohydrochloride monohydrate	produced through fermentation may be used in the feed ration for salmonids when the feed sources listed in point 3.1.3.3 of Part II of Annex II to Regulation (EU) 2018/848, do not provide a sufficient amount of histidine to meet the dietary needs of the fish

<b>4. ZOOTECHNICAL ADDITIVES</b>		
<b>ID number or functional group</b>	<b>Name</b>	<b>Specific conditions and limits</b>
4a, 4b, 4c and 4d	Enzymes and microorganism	
4d7 and 4d8	Ammonium chloride	only for cats

**ANNEX IV**

**Authorised products for cleaning and disinfection referred to in points (e), (f) and (g) of Article 24(1) of Regulation (EU) 2018/848**

**PART A**

**Products for the cleaning and disinfection of ponds, cages, tanks, raceways, buildings or installations used for animal production**

**PART B**

**Products for the cleaning and disinfection of buildings and installations used for plant production, including for storage on an agricultural holding**

**PART C**

**Products for cleaning and disinfection in processing and storage facilities**

**PART D**

**Products referred to in Article 12(1) of this Regulation**

The following products or products containing the following active substances as listed in Annex VII to Regulation (EC) No 889/2008 cannot be used as biocidal products:

- caustic soda;
- caustic potash;
- oxalic acid;
- natural essences of plants with the exception of linseed oil, lavender oil and peppermint oil;
- nitric acid;
- phosphoric acid;
- sodium carbonate;
- copper sulphate;
- potassium permanganate;
- tea seed cake made of natural camelia seed;
- humic acid;
- peroxyacetic acids with the exception of peracetic acid.

**ANNEX V****Authorised products and substances for use in the production of processed organic food and of yeast used as food or feed****PART A****Authorised food additives and processing aids referred to in point (a) of Article 24(2) of Regulation (EU) 2018/848****SECTION A1 – FOOD ADDITIVES, INCLUDING CARRIERS**

The organic foodstuffs to which food additives may be added are within the limit of authorisations given in accordance with Regulation (EC) No 1333/2008.

The specific conditions and restrictions set out here are to be applied in addition to the conditions of the authorisations under Regulation (EC) No 1333/2008.

For the purpose of the calculation of the percentages referred to in Article 30(5) of Regulation (EU) 2018/848, food additives marked with an asterisk in the column of the code number shall be calculated as ingredients of agricultural origin.

<b>Code</b>	<b>Name</b>	<b>Organic foodstuffs to which it may be added</b>	<b>Specific conditions and limits</b>
E 153	Vegetable carbon	edible cheese rind of ashy goat cheese Morbier cheese	
E 160b(i)*	Annatto bixin	Red Leicester cheese Double Gloucester cheese Cheddar Mimolette cheese	
E 160b(ii)*	Annatto norbixin	Red Leicester cheese Double Gloucester cheese Cheddar Mimolette cheese	
E 170	Calcium carbonate	products of plant and animal origin	shall not be used for colouring or calcium enrichment of products
E 220	Sulphur dioxide	fruit wines (wine made from fruits other than grapes, including cider and perry) and mead with and without added sugar	100 mg/l (maximum levels available from all sources, expressed as SO <sub>2</sub> in mg/l)
E 223	Sodium metabisulphite	crustaceans	
E 224	Potassium metabisulphite	fruit wines (wine made from fruits other than grapes, including cider and perry) and mead with and without added sugar	100 mg/l (maximum levels available from all sources, expressed as SO <sub>2</sub> in mg/l)

E 250	Sodium nitrite	meat products	may 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 not in combination with E252 maximum ingoing amount expressed as NaNO <sub>2</sub> : 80 mg/ kg, maximum residual amount expressed as NaNO <sub>2</sub> : 50 mg/kg
E 252	Potassium nitrate	meat products	may 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 not in combination with E252 maximum ingoing amount expressed as NaNO <sub>2</sub> : 80 mg/ kg, maximum residual amount expressed as NaNO <sub>2</sub> : 50 mg/kg
E 270	Lactic acid	products of plant and animal origin	
E 290	Carbon dioxide	products of plant and animal origin	
E 296	Malic acid	products of plant origin	
E 300	Ascorbic acid	products of plant origin meat products	
E 301	Sodium ascorbate	meat products	may only be used in connection with nitrates and nitrites
E 306*	Tocopherol-rich extract	products of plant and animal origin	antioxidant
E 322*	Lecithins	products of plant origin milk products	only from organic production
E 325	Sodium lactate	products of plant origin milk-based and meat products	
E 330	Citric acid	products of plant and animal origin	
E 331	Sodium citrates	products of plant and animal origin	
E 333	Calcium citrates	products of plant origin	
E 334	Tartaric acid (L(+)-)	products of plant origin mead	
E 335	Sodium tartrates	products of plant origin	
E 336	Potassium tartrates	products of plant origin	
E 341(i)	Monocalcium phosphate	self-raising flour	raising agent
E 392*	Extracts of Rosemary	products of plant and animal origin	only from organic production
E 400	Alginate acid	products of plant origin milk products	
E 401	Sodium alginate	products of plant origin milk products sausages based on meat	

E 402	Potassium alginate	products of plant origin milk products	
E 406	Agar	products of plant origin milk-based products and meat products	
E 407	Carrageenan	products of plant origin milk-based products	
E 410*	Locust bean gum	products of plant and animal origin	only from organic production
E 412*	Guar gum	products of plant and animal origin	only from organic production
E 414*	Arabic gum	products of plant and animal origin	only from organic production
E 415	Xanthan gum	products of plant and animal origin	
E 417	Tara gum	products of plant and animal origin	thickener only from organic production
E 418	Gellan gum	products of plant and animal origin	high-acyl form only only from organic production, applicable as of 1 January 2026
E 422	Glycerol	plant extracts flavourings	only from plant origin solvent and carrier in plant extracts and flavourings humectant in gel capsules surface coating of tablets only from organic production
E 440(i)*	Pectin	products of plant origin milk-based products	
E 460	Cellulose	gelatine	
E 464	Hydroxypropyl methyl cellulose	products of plant and animal origin	encapsulation material for capsules
E 500	Sodium carbonates	products of plant and animal origin	
E 501	Potassium carbonates	products of plant origin	
E 503	Ammonium carbonates	products of plant origin	
E 504	Magnesium carbonates	products of plant origin	
E 509	Calcium chloride	Milk-based products	coagulation agent
E 516	Calcium sulphate	products of plant origin	carrier
E 524	Sodium hydroxide	Laugengebäck flavourings	surface treatment acidity regulator
E 551	Silicon dioxide	cocoa, herbs and spices in dried powdered form flavourings propolis	for cocoa, only for use in automated dispensing machines
E 553b	Talc	products of plant origin sausages based on meat	For sausages based on meat, only surface treatment

E 901	Beeswax	confectionery	glazing agent only from organic production
E 903	Carnauba wax	confectionery citrus fruit	glazing agent mitigating method for mandatory extreme cold treatment of fruit as a mandatory quarantine measure against harmful organisms in accordance with Commission Implementing Directive (EU) 2017/1279 <sup>(1)</sup> only from organic production
E 938	Argon	products of plant and animal origin	
E 939	Helium	products of plant and animal origin	
E 941	Nitrogen	products of plant and animal origin	
E 948	Oxygen	products of plant and animal origin	
E 968	Erythritol	products of plant and animal origin	only from organic production without using ion exchange technology

<sup>(1)</sup> Commission Implementing Directive (EU) 2017/1279 of 14 July 2017 amending Annexes I to V to Council Directive 2000/29/EC on protective measures against the introduction into the Community of organisms harmful to plants or plant products and against their spread within the Community (OJ L 184, 15.7.2017, p. 33).

#### SECTION A2 – PROCESSING AIDS AND OTHER PRODUCTS, WHICH MAY BE USED FOR PROCESSING OF INGREDIENTS OF AGRICULTURAL ORIGIN FROM ORGANIC PRODUCTION

The specific conditions and restrictions set out here are to be applied in addition to the conditions of the authorisations under Regulation (EC) No 1333/2008.

Name	Only authorised for the processing of the following organic foodstuffs	Specific conditions and limits
Water	products of plant and animal origin	drinking water within the meaning of Council Directive 98/83/EC <sup>(1)</sup>
Calcium chloride	products of plant origin sausages based on meat	coagulation agent
Calcium carbonate	products of plant origin	
Calcium hydroxide	products of plant origin	
Calcium sulfate	products of plant origin	coagulation agent
Magnesium chloride (or nigari)	products of plant origin	coagulation agent
Potassium carbonate	grapes	drying agent
Sodium carbonate	products of plant and animal origin	
Lactic acid	cheese	for the regulation of the pH of the brine bath in cheese production
L(+)/lactic acid from fermentation	plant protein extracts	
Citric acid	products of plant and animal origin	

Sodium hydroxide	Sugar(s) oil from plant origin excluding olive oil plant protein extracts	
Sulphuric acid	Gelatine sugar(s)	
Hop extract	products of plant origin	only for antimicrobial purposes from organic production, if available
Pine rosin extract	products of plant origin	only for antimicrobial purposes from organic production, if available
Hydrochloric acid	gelatin Gouda-, Edam and Maasdammer cheeses, Boerenkaas, Friese and Leidse Nagelkaas	gelatine production in compliance with Regulation (EC) No 853/2004 of the European Parliament and of the Council <sup>(2)</sup> for the regulation of the pH of the brine bath in the processing of cheeses
Ammonium hydroxide	gelatin	gelatine production in compliance with Regulation (EC) No 853/2004
Hydrogen peroxide	gelatin	gelatine production in compliance with Regulation (EC) No 853/2004
Carbon dioxide	products of plant and animal origin	
Nitrogen	products of plant and animal origin	
Ethanol	products of plant and animal origin	Solvent
Tannic acid	products of plant origin	filtration aid
Egg white albumin	products of plant origin	
Casein	products of plant origin	
Gelatin	products of plant origin	
Isinglass	products of plant origin	
Vegetable oils	products of plant and animal origin	greasing, releasing or antifoaming agent only from organic production
Silicon dioxide gel or colloidal solution	products of plant origin	
Activated carbon (CAS-7440- 44-0)	products of plant and animal origin	
Talc	products of plant origin	in compliance with the specific purity criteria for food additive E 553b
Bentonite	products of plant origin	sticking agent for mead
Cellulose	products of plant origin	
Diatomaceous earth	products of plant origin	
Perlite	products of plant origin	
Hazelnut shells	products of plant origin	
Rice meal	products of plant origin	
Beeswax	products of plant origin	releasing agent only from organic production

Carnauba wax	products of plant origin	releasing agent only from organic production
Acetic acid/ vinegar	products of plant origin	only from organic production from natural fermentation
Thiamin hydrochloride	fruit wines, cider, perry and mead	
Diammonium phosphate	fruit wines, cider, perry and mead	
Wood fibre	products of plant and animal origin	the source of timber should be restricted to certified, sustainably harvested wood wood used must not contain toxic components (post-harvest treatment, naturally occurring toxins or toxins from micro-organisms)

<sup>(1)</sup> Council Directive 98/83/EC of 3 November 1998 on the quality of water intended for human consumption (OJ L 330, 5.12.1998, p. 32).

<sup>(2)</sup> Regulation (EC) No 853/2004 of the European Parliament and of the Council of 29 April 2004 laying down specific hygiene rules for food of animal origin (OJ L 139, 30.4.2004, p. 55)

**PART B**

**Authorised non-organic agricultural ingredients to be used for the production of processed organic food referred to in point (b) of Article 24(2) of Regulation (EU) 2018/848**

Name	Specific conditions and limits
Alga Arame ( <i>Eisenia bicyclis</i> ), unprocessed as well as products of first-stage processing directly related to this alga	
Alga Hijiki ( <i>Hizikia fusiforme</i> ), unprocessed as well as products of first-stage processing directly related to this alga	
Bark of the Pau d'arco tree <i>Handroanthus impetiginosus</i> ('lapacho')	only for use in Kombucha and tea mixtures
Casings	from natural raw materials of animal or from plant origin material
Gelatin	from other sources than porcine
Milk mineral powder/liquid	only when used for its sensory function to replace wholly or partly sodium chloride
Wild fishes and wild aquatic animals, unprocessed as well as products derived therefrom by processes	only from fisheries that have been certified as sustainable under a scheme recognised by the competent authority in line with the principles laid down in Regulation (EU) No 1380/2013, in accordance with point 3.1.3.1(c) of Part III of Annex II to Regulation (EU) 2018/848 only when not available in organic aquaculture

**PART C**

**Authorised processing aids and other products for the production of yeast and yeast products referred to in point (c) of Article 24(2) of Regulation (EU) 2018/848**

Name	Primary yeast	Yeast production confection/formulation	Specific conditions and limits
Calcium chloride	X		
Carbon dioxide	X	X	
Citric acid	X		for the regulation of the pH in yeast production
Lactic acid	X		for the regulation of the pH in yeast production
Nitrogen	X	X	
Oxygen	X	X	
Potato starch	X	X	for filtering only from organic production
Sodium carbonate	X	X	for the regulation of the pH
Vegetable oils	X	X	greasing, releasing or anti- foaming agent only from organic production

## PART D

**Authorised products and substances for the production and conservation of organic grapevine products of the wine sector referred to in point 2.2 of Part VI of Annex II to Regulation (EU) 2018/848**

Name	ID numbers	References in Annex I to Delegated Regulation (EU) 2019/934	Specific conditions and limits
Air		Part A, Table 1, points 1 and 8	
Gaseous oxygen	E 948 CAS 17778- 80-2	Part A, Table 1, point 1 Part A, Table 2, point 8.4	
Argon	E 938 CAS 7440-37-1	Part A, Table 1, point 4 Part A, Table 2, point 8.1	may not be used for bubbling
Nitrogen	E 941 CAS 7727-37-9	Part A, Table 1, points 4, 7 and 8 Part A, Table 2, point 8.2	
Carbon dioxide	E 290 CAS 124-38-9	Part A, Table 1, points 4 and 8 Part A, Table 2, point 8.3	
Pieces of oak wood		Part A, Table 1, point 11	
Tartaric acid (L(+)-)	E 334 CAS 87-69-4	Part A, Table 2, point 1.1	
Lactic acid	E 270	Part A, Table 2, point 1.3	
Potassium L(+)- tartrate	E 336 (ii) CAS 921- 53-9	Part A, Table 2, point 1.4	

Potassium bicarbonate	E 501 (ii) CAS 298-14-6	Part A, Table 2, point 1.5	
Calcium carbonate	E 170 CAS 471-34-1	Part A, Table 2, point 1.6	
Calcium sulphate	E 516	Part A, Table 2, point 1.8	
Sulphur dioxide	E 220 CAS 7446-09-5	Part A, Table 2, point 2.1	the maximum sulphur dioxide content shall not exceed 100 milligrams per litre for red wines as referred to in point A.1.(a) of Part B of Annex I to Delegated Regulation (EU) 2019/934 and with a residual sugar level lower than 2 grams per litre
Potassium bisulphite	E 228 CAS 7773-03-7	Part A, Table 2, point 2.2	
Potassium metabisulphite	E 224 CAS 16731-55-8	Part A, Table 2, point 2.3	the maximum sulphur dioxide content shall not exceed 150 milligrams per litre for white and rosé wines as referred to in point A.1.(b) of Part B of Annex I to Delegated Regulation (EU) 2019/934 and with a residual sugar level lower than 2 grams per litre for all other wines, the maximum sulphur dioxide content applied in accordance with Part B of Annex I to Delegated Regulation (EU) 2019/934 shall be reduced by 30 milligrams per litre
L ascorbic acid	E 300	Part A, Table 2, point 2.6	
Charcoal for oenological use		Part A, Table 2, point 3.1	
Diammonium hydrogen phosphate	E 342 CAS 7783-28-0	Part A, Table 2, point 4.2	
Thiamine hydrochloride	CAS 67-03-8	Part A, Table 2, point 4.5	
Yeast autolysates		Part A, Table 2, point 4.6	
Yeast cell walls		Part A, Table 2, point 4.7	
Inactivated yeasts		Part A, Table 2, point 4.8 Part A, Table 2, point 10.5 Part A, Table 2, point 11.5	
Edible gelatine	CAS 9000-70-8	Part A, Table 2, point 5.1	derived from organic raw material if available
Wheat protein		Part A, Table 2, point 5.2	derived from organic raw material if available
Peas protein		Part A, Table 2, point 5.3	derived from organic raw material if available
Potatoes protein		Part A, Table 2, point 5.4	derived from organic raw material if available
Isinglass		Part A, Table 2, point 5.5	derived from organic raw material if available
Casein	CAS 9005-43-0	Part A, Table 2, point 5.6	derived from organic raw material if available
Potassium caseinates	CAS 68131-54-4	Part A, Table 2, point 5.7	
Egg albumin	CAS 9006-59-1	Part A, Table 2, point 5.8	derived from organic raw material if available
Bentonite	E 558	Part A, Table 2, point 5.9	

Silicon dioxide (gel or colloidal solution)	E 551	Part A, Table 2, point 5.10	
Tannins		Part A, Table 2, point 5.12 Part A, Table 2, point 6.4	derived from organic raw material if available
Chitosan derived from <i>Aspergillus niger</i>	CAS 9012-76-4	Part A, Table 2, point 5.13 Part A, Table 2, point 10.3	
Yeast protein extracts		Part A, Table 2, point 5.15	derived from organic raw material if available
Potassium alginate	E 402 CAS 9005-36-1	Part A, Table 2, point 5.18	
Potassium hydrogen tartrate	E336(i) CAS 868-14-4	Part A, Table 2, point 6.1	
Citric acid	E 330	Part A, Table 2, point 6.3	
Metatartaric acid	E 353	Part A, Table 2, point 6.7	
Gum arabic	E 414 CAS 9000-01-5	Part A, Table 2, point 6.8	derived from organic raw material if available
Yeast mannoproteins		Part A, Table 2, point 6.10	
Pectin lyases	CE 4.2.2.10	Part A, Table 2, point 7.2	only for oenological purposes in clarification
Pectin methylesterase	CE 3.1.1.11	Part A, Table 2, point 7.3	only for oenological purposes in clarification
Polygalacturonase	CE 3.2.1.15	Part A, Table 2, point 7.4	only for oenological purposes in clarification
Hemicellulase	CE 3.2.1.78	Part A, Table 2, point 7.5	only for oenological purposes in clarification
Cellulase	CE 3.2.1.4	Part A, Table 2, point 7.6	only for oenological purposes in clarification
Yeasts for wine production		Part A, Table 2, point 9.1	for the individual yeast strains, organic if available
Lactic acid bacteria		Part A, Table 2, point 9.2	
Copper citrate	CAS 866-82-0	Part A, Table 2, point 10.2	
Aleppo pine resin		Part A, Table 2, point 11.1	
Fresh lees		Part A, Table 2, point 11.2	only from organic production