

EN

Annex I

**ACTIVE SUBSTANCES CONTAINED IN PLANT PROTECTION PRODUCTS
AUTHORISED FOR USE IN ORGANIC PRODUCTION AS REFERRED TO IN
POINT (a) OF ARTICLE 24(1) OF REGULATION (EU) 2018/848**

The active substances listed in this Annex may be contained in plant protection products used in organic production as set out in this Annex, provided that these plant protection products are authorised pursuant to Regulation (EC) No 1107/2009. These plant protection products shall be used in compliance with the conditions set out in the Annex to Implementing Regulation (EU) No 540/2011 and in accordance with the conditions specified in the authorisations granted by the Member States where they are used. More restrictive conditions for use in organic production are specified in the last column of each table below.

In accordance with Article 9(3) of Regulation (EU) 2018/848, safeners, synergists and co-formulants as components of plant protection products, and adjuvants that are to be mixed with plant protection products shall be allowed for use in organic production, provided that they are authorised pursuant to Regulation (EC) No 1107/2009. The substances in this Annex may only be used for the control of pests as defined in Article 3(24) of Regulation (EU) 2018/848.

In accordance with point 1.10.2 of Part II of Annex II to Regulation (EU) 2018/848, these substances may only be used where plants cannot be adequately protected from pests by measures provided for in point 1.10.1 of that Part II, in particular by the use of biological control agents, such as beneficial insects, mites and nematodes complying with the provisions of Regulation (EU) No 1143/2014 of the European Parliament and of the Council¹.

For the purposes of this Annex, active substances are divided into following subcategories:

1. Basic substances

Basic substances listed in Part C of the Annex to Implementing Regulation (EU) No 540/2011 and based on food and from plant or animal origin as defined in Article 2 of Regulation (EC) No 178/2002 of the European Parliament and of the Council² may be used for plant protection in organic production. Such basic substances are marked with an asterisk in the table below. They shall be used in accordance with the uses, conditions and restrictions set in the relevant

¹ Regulation (EU) No 1143/2014 of the European Parliament and of the Council of 22 October 2014 on the prevention and management of the introduction and spread of invasive alien species (OJ L 317, 4.11.2014, p. 35).

² Regulation (EC) No 178/2002 of the European Parliament and of the Council of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety (OJ L 31, 1.2.2002, p. 1).

review reports³ and taking into account the additional restrictions, if any, in the last column of the table below.

Other basic substances listed in Part C of the Annex to Implementing Regulation (EU) No 540/2011 and not based on food from plant or animal origin may be used for plant protection in organic production only when they are listed in the table below. Such basic substances shall be used in accordance with the uses, conditions and restrictions set in the relevant review reports³ and taking into account the additional restrictions, if any, in the right column of the table below.

Basic substances shall not be used as herbicides.

| Number and Part of Annex ⁴ | CAS | Name | Specific conditions and limits |
|---------------------------------------|------------|------------------------------|---|
| 1C | | <i>Equisetum arvense</i> L.* | |
| 2C | 9012-76-4 | Chitosan hydrochloride* | obtained from <i>Aspergillus</i> or organic aquaculture or from sustainable fisheries, as defined in Article 2 of Regulation (EU) No 1380/2013 of the European Parliament and of the Council ⁵ |
| 3C | 57-50-1 | Sucrose* | |
| 4C | 1305-62-0 | Calcium Hydroxide | |
| 5C | 90132-02-8 | Vinegar* | |
| 6C | 8002-43-5 | Lecithins* | |
| 7C | - | <i>Salix</i> spp. Cortex* | |
| 8C | 57-48-7 | Fructose* | |
| 9C | 144-55-8 | Sodium hydrogen carbonate | |
| 10C | 92129-90-3 | Whey* | |

³ Available in the Pesticides Database: <https://ec.europa.eu/food/plant/pesticides/eu-pesticides-database/active-substances/?event=search.as>

⁴ Listing according to Implementing Regulation (EU) No 540/2011, numbers and which category: Part A active substances deemed to have been approved under Regulation (EC) No 1107/2009, B, active substances approved under Regulation (EC) No 1107/2009, C basic substances, D low-risk active substances and E candidates for substitution.

⁵ Regulation (EU) No 1380/2013 of the European Parliament and of the Council of 11 December 2013 on the Common Fisheries Policy, amending Council Regulations (EC) No 1954/2003 and (EC) No 1224/2009 and repealing Council Regulations (EC) No 2371/2002 and (EC) No 639/2004 and Council Decision 2004/585/EC (OJ L 354 28.12.2013, p. 22).

| | | | |
|-----|--------------------------|--|--|
| 11C | 7783-28-0 | Diammonium phosphate | only in traps |
| 12C | 8001-21-6 | Sunflower oil* | |
| 14C | 84012-40-8 90131-83-2 | <i>Urtica</i> spp. (<i>Urtica dioica</i> extract) (<i>Urtica urens</i> extract)* | |
| 15C | 7722-84-1 | Hydrogen peroxide | |
| 16C | 7647-14-5 | Sodium chloride | |
| 17C | 8029-31-0 | Beer* | |
| 18C | - | Mustard seeds powder* | |
| 20C | 8002-72-0 | Onion oil* | |
| 21C | 52-89-1 | L-cysteine (E 920) | |
| 22C | 8049-98-7 | Cow milk* | |
| 23C | - | <i>Allium cepa</i> * L. bulb extract | |
| | | Quassia* extracted from <i>Quassia amara</i> L. | only as insecticide, repellent only if authorised by Member States under Article 53 of Regulation (EC) No 1107/2009 |
| | | Other basic substances based on food and from plant or animal origin* | |

2. Low risk active substances

Low risk active substances, other than micro-organisms, listed in Part D of the Annex to Implementing Regulation (EU) No 540/2011 may be used for plant protection in organic production when they are listed in the table below or elsewhere in this Annex. Such low risk active substances shall be used in accordance with the uses, conditions and restrictions pursuant to Regulation (EC) No 1107/2009 and taking into account the additional restrictions, if any, in the last column of the table below.

| Number and Part of Annex ⁶ | CAS | Name | Specific conditions and limits |
|---------------------------------------|-----|---|--------------------------------|
| 2D | | COS-OGA | |
| 3D | | Cerevisane and other products based on fragments of cells of micro- | Not from GMO origin |

⁶ Listing according to Implementing Regulation (EU) No 540/2011, numbers and which category: Part A active substances deemed to have been approved under Regulation (EC) No 1107/2009, B, active substances approved under Regulation (EC) No 1107/2009, C basic substances, D low-risk active substances and E candidates for substitution.

| | | | |
|-----|------------|--|--|
| | | organisms | |
| 5D | 10045-86-6 | Ferric phosphate (iron (III) orthophosphate) | |
| 12D | 9008-22-4 | Laminarin | Kelp shall be obtained from organic aquaculture or from sustainable fisheries, as defined in Article 2 of Regulation (EU) No 1380/2013 |

3. Micro-organisms

All micro-organisms listed in Parts A, B and D of the Annex to Implementing Regulation (EU) No 540/2011 may be used in organic production, provided that they are not from GMO origin and only when used in accordance with the uses, conditions and restrictions set in the relevant review reports³. Micro-organisms including viruses are biological control agents that are considered as active substances by Regulation (EC) No 1107/2009.

4. Active substances not included in any of the above categories

The active substances as approved pursuant to Regulation (EC) No 1107/2009 and listed in the table below may be used as plant protection products in organic production only when they are used in accordance with the uses, conditions and restrictions pursuant to Regulation (EC) No 1107/2009 and taking into account the additional restrictions, if any, in the right column of the table below.

| Number and part of Annex ⁷ | CAS | Name | Specific conditions and limits |
|---------------------------------------|----------------------------|----------------|--|
| 139A | 131929-60-7 131929-63-0 | Spinosad | |
| 225A | 124-38-9 | Carbon dioxide | |
| 227A | 74-85-1 | Ethylene | only on bananas and potatoes; however, it may also be used on citrus as part of a strategy for the prevention of fruit fly |

⁷ Listing according to Implementing Regulation (EU) No 540/2011, numbers and which category: Part A active substances deemed to have been approved under Regulation (EC) No 1107/2009, B, active substances approved under Regulation (EC) No 1107/2009, C basic substances, D low-risk active substances and E candidates for substitution.

| | | | |
|-----------------|---|---|--|
| | | | damage |
| 230A | i.a. 67701-09-1 | Fatty acids | all uses authorised, except herbicide |
| 231A | 8008-99-9 | Garlic extract (<i>Allium sativum</i>) | |
| 234A | CAS No not allocated CIPAC No 901 | Hydrolysed proteins excluding gelatine | |
| 244A | 298-14-6 | Potassium hydrogen carbonate | |
| 249A | 98999-15-6 | Repellents by smell of animal or plant origin/sheep fat | |
| 255A and others | | Pheromones and other semiochemicals | only in traps and dispensers |
| 220A | 1332-58-7 | Aluminium silicate (kaolin) | |
| 236A | 61790-53-2 | Kieselgur (diatomaceous earth) | |
| 247A | 14808-60-7 7637-86-9 | Quartz sand | |
| 343A | 11141-17-6 84696-25-3 | Azadirachtin (Margosa extract) | extracted from Neem tree seeds (<i>Azadirachta indica</i>) |
| 240A | 8000-29-1 | Citronella oil | all uses authorised, except herbicide |
| 241A | 84961-50-2 | Clove oil | all uses authorised, except herbicide |
| 242A | 8002-13-9 | Rape seed oil | all uses authorised, except herbicide |
| 243A | 8008-79-5 | Spearmint oil | all uses authorised, except herbicide |
| 56A | 8028-48-6 5989-27-5 | Orange oil | all uses authorised, except herbicide |
| 228A | 68647-73-4 | Tea tree oil | all uses authorised, except herbicide |
| 246A | 8003-34-7 | Pyrethrins extracted from plants | |
| 292A | 7704-34-9 | Sulphur | |
| 294A 295A | 64742-46-7 72623-86-0 97862-82-3 8042-47-5 | Paraffin oils | |

| | | | |
|--------|--------------------------|---|--|
| 345A | 1344-81-6 | Lime sulphur (calcium polysulphide) | |
| 44B | 9050-36-6 | Maltodextrin | |
| 45B | 97-53-0 | Eugenol | |
| 46B | 106-24-1 | Geraniol | |
| 47B | 89-83-8 | Thymol | |
| 10E | 20427-59-2 | Copper hydroxide | in accordance with Implementing Regulation (EU) No 540/2011 only uses resulting in a total application of maximum 28 kg of copper per hectare over a period of 7 years may be authorised |
| 10E | 1332-65-6 1332-40-7 | Copper oxychloride | |
| 10E | 1317-39-1 | Copper oxide | |
| 10E | 8011-63-0 | Bordeaux mixture | |
| 10E | 12527-76-3 | Tribasic copper sulphate | |
| 40A 5E | 52918-63-5 91465-08-6 | Pyrethroids (only deltamethrin or lambda-cyhalothrin) | only in traps with specific attractants against <i>Bactrocera oleae</i> and <i>Ceratitis capitata</i> |

Annex II

AUTHORISED FERTILISERS, SOIL CONDITIONERS AND NUTRIENTS REFERRED TO IN POINT (b) OF ARTICLE 24(1) OF REGULATION (EU) 2018/848

Fertilisers, soil conditioners and nutrients⁸ listed in this Annex may be used in organic production, provided that they are compliant with

- the relevant Union and national legislations on fertilising products, in particular, where applicable, Regulation (EC) No 2003/2003 and Regulation (EU) 2019/1009; and
- Union legislation on animal by-products, in particular Regulation (EC) No 1069/2009 and Regulation (EU) No 142/2011, in particular Annexes V and XI.

In accordance with point 1.9.6 of Part I of Annex II to Regulation (EU) 2018/848, preparations of micro-organisms may be used to improve the overall condition of the soil or to improve the availability of nutrients in the soil or in the crops.

They may only be used according to the specifications and restrictions of use of those respective Union and national legislations. More restrictive conditions for use in organic production are specified in the right column of the tables.

⁸ Covering in particular all the product function categories listed in Part I of Annex I to Regulation (EU) 2019/1009.

| Name Compound products or products containing only materials listed hereunder | Description, specific conditions and limits |
|--|---|
| Farmyard manure | product comprising a mixture of animal excrements and vegetable matter (animal bedding and feed material) factory farming origin forbidden |
| Dried farmyard manure and dehydrated poultry manure | factory farming origin forbidden |
| Composted animal excrements, including poultry manure and composted farmyard manure included | factory farming origin forbidden |
| Liquid animal excrements | use after controlled fermentation and/or appropriate dilution factory farming origin forbidden |
| Composted or fermented mixture of household waste | 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: 0.4; chromium (total): 70; chromium (VI): not detectable |
| Peat | use limited to horticulture (market gardening, floriculture, arboriculture, nursery) |
| Mushroom culture wastes | the initial composition of the substrate shall be limited to products of this Annex |
| Dejecta of worms (vermicompost) and insect frass-substrate mixture | where relevant in accordance with Regulation (EC) No 1069/2009 |
| Guano | |
| Composted or fermented mixture of vegetable matter | product obtained from mixtures of vegetable matter, which have been submitted to composting or to anaerobic fermentation for biogas production |
| Biogas digestate containing animal by-products co-digested with material of plant or animal origin as listed in this Annex | animal by-products (including by-products of wild animals) of category 3 and digestive tract content of category 2 (categories as defined in Regulation (EC) No 1069/2009) |

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| | <p>factory farming origin forbidden</p> <p>the processes have to be in accordance with Regulation (EU) No 142/2011</p> <p>not to be applied to edible parts of the crop</p> |
| <p>Products or by-products of animal origin as below:</p> <p>Blood meal</p> <p>Hoof meal</p> <p>Horn meal</p> <p>Bone meal or degelatinised bone meal</p> <p>Fish meal</p> <p>Meat meal</p> <p>Feather, hair and skin meal ('chiquette')</p> <p>Wool</p> <p>Fur (1)</p> <p>Hair</p> <p>Dairy products</p> <p>Hydrolysed proteins (2)</p> | <p>(1) Maximum concentration in mg/kg of dry matter of chromium (VI): not detectable</p> <p>(2) Not to be applied to edible parts of the crop</p> |
| <p>Products and by-products of plant origin for fertilisers</p> | <p>e.g.: oilseed cake meal, cocoa husks, malt culms</p> |
| <p>Hydrolysed proteins of plant origin</p> | |
| <p>Algae and algae products</p> | <p>as far as directly obtained by:</p> <ul style="list-style-type: none"> (i) physical processes including dehydration, freezing and grinding (ii) extraction with water or aqueous acid and/or alkaline solution (iii) fermentation <p>only from organic or sustainable algae production, in accordance with Article 2 of Regulation (EU) No 1380/2013 or collection</p> |
| <p>Sawdust and wood chips</p> | <p>wood not chemically treated after felling</p> |
| <p>Composted bark</p> | <p>wood not chemically treated after felling</p> |
| <p>Wood ash</p> | <p>from wood not chemically treated after felling</p> |

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| Soft ground rock phosphate | <p>product obtained by grinding soft mineral phosphates and containing tricalcium phosphate and calcium carbonate as essential ingredients</p> <p>minimum content of nutrients (percentage by weight): 25 % P₂O₅</p> <p>phosphorus expressed as P₂O₅ soluble in mineral acids, at least 55 % of the declared content of P₂O₅ being soluble in 2 % formic acid</p> <p>particle size:</p> <ul style="list-style-type: none"> - at least 90 % by weight able to pass through a sieve with a mesh of 0,063 mm - at least 99 % by weight able to pass through a sieve with a mesh of 0,125 mm <p>until 15 July 2022, cadmium content less than or equal to 90 mg/kg of P₂O₅;</p> <p>from 16 July 2022, the relevant limits for contaminants set in Regulation (EU) 2019/1009 apply</p> |
| Aluminium-calcium phosphate | <p>product obtained in amorphous form by heat treatment and grinding, containing aluminium and calcium phosphates as essential ingredients</p> <p>minimum content of nutrients (percentage by weight): 30 % P₂O₅</p> <p>phosphorus expressed as P₂O₅ soluble in mineral acids, at least 75 % of the declared content of P₂O₅ being soluble in alkaline ammonium citrate (Joulie)</p> <p>particle size:</p> <ul style="list-style-type: none"> - at least 90 % by weight able to pass through a sieve with a mesh of 0,160 mm - at least 98 % by weight able to pass through a sieve with a mesh of 0,630 mm <p>until 15 July 2022, cadmium content less than or equal to 90 mg/kg of P₂O₅;</p> <p>from 16 July 2022, the relevant limits for contaminants set in Regulation (EU) 2019/1009 apply</p> <p>use limited to basic soils (pH > 7,5)</p> |
| Basic slag (Thomas phosphates or Thomas slag) | <p>product obtained in iron-smelting by treatment of the phosphorus melts and containing calcium silicophosphates as its essential ingredients</p> <p>minimum content of nutrients (percentage by weight): 12 % P₂O₅</p> <p>phosphorus expressed as phosphorus pentoxide soluble in mineral acids, at least 75 % of the declared content of phosphorus pentoxide being soluble in 2 % citric acid or P₂O₅</p> |

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| | <p>phosphorus expressed as phosphorus pentoxide soluble in 2% citric acid</p> <p>particle size:</p> <ul style="list-style-type: none"> - at least 75 % able to pass through a sieve with a mesh of 0,160 mm - at least 96 % able to pass through a sieve with a mesh of 0,630 mm <p>from 16 July 2022, the relevant limits for contaminants set in Regulation (EU) 2019/1009 apply</p> |
| Crude potassium salt | <p>product obtained from crude potassium salts</p> <p>minimum content of nutrients (percentage by weight):</p> <p>9 % K₂O</p> <p>potassium expressed as water- soluble K₂O</p> <p>2 % MgO</p> <p>magnesium in the form of water- soluble salts, expressed as magnesium oxide</p> <p>from 16 July 2022, the relevant limits for contaminants set in Regulation (EU) 2019/1009 apply</p> |
| Potassium sulphate, possibly containing magnesium salt | <p>product obtained from crude potassium salt by a physical extraction process, containing possibly also magnesium salts</p> |
| Stillage and stillage extract | <p>ammonium stillage excluded</p> |
| Calcium carbonate, for instance: chalk, maerl, ground limestone, Breton ameliorant, (maerl), phosphate chalk | <p>only of natural origin</p> |
| Mollusc waste | <p>only from organic aquaculture or from sustainable fisheries, in accordance with Article 2 of Regulation (EU) No 1380/2013</p> |
| Egg shells | <p>factory farming origin forbidden</p> |
| Magnesium and calcium carbonate | <p>only of natural origin</p> <p>e.g. magnesian chalk, ground magnesium, limestone</p> |
| Magnesium sulphate (kieserite) | <p>only of natural origin</p> |
| Calcium chloride solution | <p>only for foliar treatment of apple trees, to prevent deficit of calcium</p> |
| Calcium sulphate (gypsum) | <p>product of natural origin containing calcium sulphate at various degrees of hydration</p> <p>minimum content of nutrients (percentage per weight):</p> <p>25 % CaO</p> <p>35 % SO₃</p> <p>calcium and sulphur expressed as total CaO + SO₃</p> <p>fineness of grind:</p> |

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| | <ul style="list-style-type: none"> - at least 80 % to pass through a sieve with a 2 mm mesh width, - at least 99 % to pass through a sieve with a 10 mm mesh width <p>from 16 July 2022, the relevant limits for contaminants set in Regulation (EU) 2019/1009 apply</p> |
| Industrial lime from sugar production | by-product of sugar production from sugar beet and sugar cane |
| Industrial lime from vacuum salt production | by-product of the vacuum salt production from brine found in mountains |
| Elemental sulphur | <p>until 15 July 2022: as listed in accordance with Part D of Annex I to Regulation (EC) No 2003/2003</p> <p>from 16 July 2022, the relevant limits for contaminants set in Regulation (EU) 2019/1009 apply</p> |
| Inorganic Fertilisers | Micronutrient |
| | <p>until 15 July 2022: as listed in accordance with Part E of Annex I to Regulation (EC) No 2003/2003;</p> <p>from 16 July 2022, the relevant limits for contaminants set in Regulation (EU) 2019/1009 apply</p> |
| Sodium chloride | |
| Stone meal, clays and clay minerals | |
| Leonardite (Raw organic sediment rich in humic acids) | only if obtained as a by-product of mining activities |
| Humic and fulvic acids | only if obtained by inorganic salts/solutions excluding ammonium salts; or obtained from drinking water purification |
| Xylite | only if obtained as a by-product of mining activities (e.g. by-product of brown coal mining) |
| Chitin (Polysaccharide obtained from the shell of crustaceans) | obtained from organic aquaculture or from sustainable fisheries, in accordance with Article 2 of Regulation (EU) No 1380/2013 |
| Organic ⁹ rich sediment from fresh water bodies formed under exclusion of oxygen (e.g. sapropel) | <p>only organic sediments that are by-products of fresh water body management or extracted from former freshwater areas</p> <p>when applicable, extraction should be done in a way to cause minimal impact on the aquatic system</p> <p>only sediments derived from sources free from contaminations of pesticides, persistent organic pollutants and petrol like substances</p> |

⁹ Here 'organic' is used in the sense of organic chemistry, not organic farming

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| | <p>until 15 July 2022: 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</p> <p>from 16 July 2022, the relevant limits for contaminants set in Regulation (EU) 2019/1009 apply</p> |
| <p>Biochar - pyrolysis product made from a wide variety of organic materials of plant origin and applied as a soil conditioner</p> | <p>only from plant materials, when treated after harvest only with products included in Annex I</p> <p>until 15 July 2022: maximum value of 4 mg polycyclic aromatic hydro-carbons (PAHs) per kg dry matter (DM)</p> <p>from 16 July 2022, the relevant limits for contaminants set in Regulation (EU) 2019/1009 apply</p> |

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

| Number in feed catalogue ¹⁰ | Name | Specific conditions and limits |
|--|---|--------------------------------|
| 11.1.1 | Calcium carbonate | |
| 11.1.2 | Calcareous marine shells | |
| 11.1.4 | Maerl | |
| 11.1.5 | Lithotamnium | |
| 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 | |
| 11.3.3 | 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 |
| 11.4.1 | Sodium chloride | |
| 11.4.2 | Sodium bicarbonate | |
| 11.4.4 | Sodium carbonate | |
| 11.4.6 | Sodium sulphate | |
| 11.5.1 | Potassium chloride | |

¹⁰ In accordance with Commission Regulation (EU) No 68/2013 of 16 January on the Catalogue of feed materials (OJ L29, 30.1.2013, p. 1).

(2) OTHER FEED MATERIALS

| Number In feed catalogue ¹¹ | Name | Specific conditions and limits |
|--|--|--|
| 10 | Meal, oil and other feed materials of fish, mollusc or crustacean origin | <p>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</p> <p>provided that they are produced or prepared without chemically synthesised solvents</p> <p>their use is authorised only to non-herbivores livestock</p> <p>the use of fish protein hydrolysate is authorised only for young non-herbivores livestock</p> |
| 10 | Meal, oil and other feed materials of fish, mollusc or crustacean origin | <p>for carnivorous aquaculture animals</p> <p>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</p> <p>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</p> |
| 10 | Fishmeal and fish oil | <p>in the grow-out phase, for fish in inland waters, penaeid shrimps and freshwater prawns and tropical freshwater fish</p> <p>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</p> <p>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 simsa 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</p> |

¹¹ In accordance with Regulation (EU) No 68/2013.

| | | |
|------------|-------------------------------|---|
| ex 12.1.5 | Yeasts | yeast obtained from <i>Saccharomyces cerevisiae</i> or <i>Saccharomyces carlsbergensis</i> , inactivated resulting in absence of live micro-organisms when not available from organic production |
| ex 12.1.12 | Yeast products | fermentation product obtained from <i>Saccharomyces cerevisiae</i> , <i>Saccharomyces carlsbergensis</i> , inactivated resulting in absence of live micro-organisms containing yeast parts 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: <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - when not available in organic form - produced/prepared without chemical solvents - maximum 1 % in the feed ration |

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 |
|-------------------------------|-----------|--|
| 1c322, 1c322i | Lecithins | only when derived from organic raw material use restricted to aquaculture animal feed |

(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 566 | Natrolite-Phonolite | |
| 1g568 | Clinoptilolite of sedimentary origin | |
| 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 | |

(2) SENSORY ADDITIVES

| ID number or functional group | Name | Specific conditions and limits |
|-------------------------------|----------------------|---|
| 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: |

| | | |
|-------|-------------------|--|
| | | <ul style="list-style-type: none"> - 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 |
| 3a920 | Betaine anhydrous | only for monogastric animals 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, 3b811, 3b8.12, 3b813 and 3b817 | Selenised yeast inactivated a.o. | |

(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 |

(4) ZOOTECHNICAL ADDITIVES

| ID number or functional group | Name | Specific conditions and limits |
|-------------------------------|---------------------------|--------------------------------|
| 4a, 4b, 4c and 4d | Enzymes and microorganism | |

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 Regulation (EU) 2018/848

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;
- nitric acid;
- phosphoric acid;
- nitric acid;
- phosphoric acid;
- sodium carbonate;
- copper sulphate;
- potassium permanganate;
- tea seed cake made of natural camelia seed;
- humic acid;
- peroxyacetic acids.

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.

| Code | Name | Organic foodstuffs to which it may be added | Specific conditions and limits |
|-------------|-------------------|--|--|
| 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 ₂ in mg/l) |
| E 223 | Sodium | crustaceans | |

| | | | |
|-------|--------------------------|--|---|
| | metabisulphite | | |
| 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 ₂ in mg/l) |
| E250 | Sodium nitrite | meat products | <p>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</p> <p>not in combination with E252</p> <p>maximum ingoing amount expressed as NaNO₂: 80 mg/kg, maximum residual amount expressed as NaNO₂: 50 mg/kg</p> |
| E252 | Potassium nitrate | meat products | <p>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</p> <p>not in combination with E250</p> <p>maximum ingoing amount expressed as NaNO₃: 80 mg/kg, maximum residual amount expressed as NaNO₃: 50 mg/kg</p> |
| 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 | Alginic 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-based 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 |
| 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 | herbs and spices in dried powdered form, flavourings propolis | |
| E 553b | Talc | sausages based on meat | 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 ¹² 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 |

¹² 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 ¹³ |
| 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) | |

¹³ 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).

| | | |
|--|---|--|
| Hop extract | sugar | only for antimicrobial purposes from organic production, if available |
| Pine rosin extract | sugar | only for antimicrobial purposes from organic production, if available |
| Hydrochloric acid | gelatine 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 ¹⁴ for the regulation of the pH of the brine bath in the processing of cheeses |
| Ammonium hydroxide | Gelatine | gelatine production in compliance with Regulation (EC) No 853/2004 |
| Hydrogen peroxide | Gelatine | 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 mead | sticking agent for mead |
| Cellulose | products of plant origin | |

¹⁴ 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)

| | | |
|-----------------------|---------------------------------------|---|
| | gelatine | |
| Diatomaceous earth | products of plant origin gelatine | |
| Perlite | products of plant origin gelatine | |
| 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; fish | 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) |

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 |
|--|--------------------------------|
| Algae Arame (<i>Eisenia bicyclis</i>), unprocessed as well as products of first-stage processing directly related to these products. | |
| Algae Hijiki (<i>Hizikia fusiforme</i>), unprocessed as well as products of first-stage processing directly related to these products. | |

| | |
|---|---|
| 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 |

| | | | |
|-------------------------------|-------------------------|--|---|
| Potassium bisulphite | E 228 CAS 7773-03-7 | Part A, Table 2, point 2.2 | 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 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 | EC 4.2.2.10 | Part A, Table 2, point 7.2 | only for oenological purposes in clarification |

| | | | |
|----------------------------|--------------|-----------------------------|--|
| Pectin methylesterase | EC 3.1.1.11 | Part A, Table 2, point 7.3 | only for oenological purposes in clarification |
| Polygalacturonase | EC 3.2.1.15 | Part A, Table 2, point 7.4 | only for oenological purposes in clarification |
| Hemicellulase | EC 3.2.1.78 | Part A, Table 2, point 7.5 | only for oenological purposes in clarification |
| Cellulase | EC 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 | 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 |

Annex VI

**PRODUCTS AND SUBSTANCES AUTHORISED FOR USE IN ORGANIC
PRODUCTION IN CERTAIN AREAS OF THIRD COUNTRIES PURSUANT TO
ARTICLE 45(2) OF REGULATION (EU) 2018/848**