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## Regulation (EU) 2021/1165: Annex III 法规(EU) 2021/1165:附录三

### Authorised products and substances for use as feed or in feed production 授权作为饲料或用于饲料生产的产品和物质

#### Part A A部分

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  
根据(EU) 2018/848 法规第 24(1) 条 (c) 点提及的授权的植物、藻类、动物或酵母来源的非有机饲料材料或微生物或矿物质来源的饲料原料

#### (1) FEED MATERIALS OF MINERAL ORIGIN 矿物来源的饲料原料

Name 名称	Specific conditions and limits 具体条件和限制
Calcium carbonate 碳酸钙	
Calcareous marine shells 钙质海洋贝壳	
Maerl 藻团粒	
Lithotamn 矿质钙	
Calcium chloride 氯化钙	<p>restricted to use in accordance with Commission Regulation (EU) 2020/ 354 (2) as feed intended for particular nutritional purposes: reduction of the risk of milk fever and subclinical hypocalcaemia 根据委员会法规 (EU) 2020/ 354 (2), 仅限用作特定营养目的的饲料: 降低乳热症和亚临床低钙血症的风险</p> <p>on dairy cows 用于奶牛 use restricted as selective application (only for individual animals in need and for a limited period) 仅限选择性使用 (仅适用于有需要的个体动物并在有限的时间内)</p> <p>calcium chloride when purified from naturally occurring brine, if available 从天然盐水中纯化的氯化钙 (如有)</p>
Calcium gluconate 葡萄糖酸钙	
Magnesium oxide 氧化镁	
Magnesium sulphate anhydrous 无水硫酸镁	
Magnesium chloride 氯化镁	
Magnesium carbonate 碳酸镁	
Dicalcium phosphate 磷酸氢钙	
Monocalcium phosphate 磷酸二钙	
Monocalcium phosphate 磷酸二氢钙 (磷酸一钙)	
Calcium-magnesium phosphate 磷酸钙镁	
Magnesium phosphate 磷酸镁	

Name 名称	Specific conditions and limits 具体条件和限制
Monosodium phosphate 磷酸氢二钠 (磷酸一钠)	
Calcium sodium phosphate 磷酸钙钠	
Monoammonium phosphate (Ammonium dihydrogen orthophosphate) 磷酸一铵 (正磷酸二氢铵)	only for aquaculture 仅限水产养殖
Pentasodium triphosphate (STPP) 三磷酸五钠 (磷酸五钠)	only for pet food 仅限宠物食品
Disodium dihydrogen diphosphate (SAPP) 二磷酸二氢二钠 (焦磷酸二氢二钠)	only for pet food 仅限宠物食品
Sodium chloride 氯化钠	
Sodium bicarbonate 碳酸氢钠	
Sodium carbonate 碳酸钠	
Sodium sulphate 硫酸钠	
Potassium chloride 氯化钾	

**(2) OTHER FEED MATERIALS 其他饲料原料**

Name 名称	Specific conditions and limits 具体条件和限制
Algal oil 海藻油	oil obtained by extraction from microalgae through fermentation 通过发酵从微藻中提取获得的油  growing medium for the fermentation process must not be of GMO origin and should be from organic raw materials, if available 用于发酵过程的生长介质不得来自转基因生物，并且应来自有机原料（如有）
Meal, oil and other feed materials of fish or other aquatic animals origin 鱼或其他水生动物来源的粉、油和其他饲料原料	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 前提是它们是来自经主管当局认可的计划并根据 (EU) No 1380/2013规定的原则被认证为可持续的  provided that they are produced or prepared without chemically synthesised solvents 前提是它们是在没有化学合成溶剂的情况下生产或制备的  their use is authorised only to non-herbivores livestock 仅允许非食草动物牲畜使用  the use of fish protein hydrolysate is authorised only for young non-herbivores livestock 仅允许对非草食动物幼畜使用鱼蛋白水解物

Name 名称	Specific conditions and limits 具体条件和限制
<p>Meal, oil and other feed materials of fish, mollusc or crustacean origin 鱼、软体动物或甲壳类来源的粉、油和其他饲料原料</p>	<p>for carnivorous aquaculture animals 用于肉食性水产养殖动物</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 符合(EU) No 2018/848附录二第三部分第3.1.3.1 (c) 点, 来自经主管当局认可的计划并根据 (EU) No 1380/2013规定的原则被认证为可持续的</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 符合(EU) No 2018/848附录二第三部分第3.1.3.1 (c) 点, 来自捕获的供人类食用的鱼类、甲壳类动物或软体动物的边角料, 或符合(EU) No 2018/848附录二第三部分第3.1.3.1 (d) 点, 来自捕获的整鱼、甲壳类动物或软体动物</p>
<p>Fishmeal and fish oil 鱼粉和鱼油</p>	<p>in the grow-out phase, for fish in inland waters, penaeid shrimps and freshwater prawns and tropical freshwater fish 生长阶段, 适用于内陆水域鱼类、对虾和淡水虾以及热带淡水鱼</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 符合(EU) No 2018/848附录二第三部分第3.1.3.1 (c) 点, 来自经主管当局认可的计划并根据 (EU) No 1380/2013规定的原则被认证为可持续的</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 (Macrobrachium spp.) and maximum 10 % of fishmeal or fish oil in the feed ration of siamese catfish (Pangasius spp.), in accordance with point 3.1.3.4(c)(i) and (ii) of Part III of Annex II to Regulation (EU) 2018/ 848 符合法规 (EU) 2018/ 848 附录二第三部分第3.1.3.4(c)(i) 和 (ii) 点的规定, 仅当池塘和湖泊中的天然饲料数量不足时, 对虾和淡水虾(沼虾属)的饲料配给量中最多可添加25% 的鱼粉和 10% 的鱼油, 对Pangasius spp. (一种鲶鱼)的饲料配给量中, 最多可添加 10% 的鱼粉或鱼油。</p>
<p>Yeasts 酵母</p>	<p>when not available from organic production 当无法从有机生产中获取时</p>
<p>Yeast products 酵母产品</p>	<p>when not available from organic production 当无法从有机生产中获取时</p>
<p>Propylene glycol; [1,2-propanediol]; [propane-1,2-diol] 丙二醇; [1,2-丙二醇]; [1,2-丙二醇]</p>	<p>restricted to use in accordance with Commission Regulation (EU) 2020/ 354 as feed intended for particular nutritional purposes: reduction of the risk of ketosis 根据委员会法规 (EU) 2020/ 354, 仅限用作特定营养目的的饲料: 降低酮症风险</p> <p>on dairy cows, ewes and goats 奶牛、母羊和山羊 use restricted to selective application (only to individual animals in need and for a limited period) 仅限于选择性使用 (仅适用于有需要的个体动物并在有限的时间内)</p>

Name 名称	Specific conditions and limits 具体条件和限制
Cholesterol 胆固醇	<p>product obtained from wool grease (lanolin) by saponification, separations and crystallisation, from shellfish or other sources 通过皂化、分离和结晶从贝类或其他来源的羊毛脂（羊毛脂）中获得的产品</p> <p>to secure the quantitative dietary needs of penaeid shrimps and freshwater prawns (Macrobrachium spp.) in the grow-out stage and in earlier life stages in nurseries and hatcheries 确保苗圃和孵化场中对虾和淡水虾（Macrobrachium spp.）在生长阶段和生命早期阶段的定量膳食需求</p> <p>when not available from organic production 当无法从有机生产中获取时</p>
Herbs 草药	<p>in accordance with point (e)(iv) of Article 24(3) of Regulation (EU) 2018/848, in particular 符合法规 (EU) 2018/848 第 24(3) 条 (e)(iv) 点，特别是：</p> <ul style="list-style-type: none"> <li>- when not available in organic form</li> <li>- produced/prepared without chemical solvents</li> <li>- maximum 1 % in the feed ration</li> </ul> <p>- 当没有有机形式时 - 不使用化学溶剂生产/制备 - 饲料配给中最多 1%</p>
Molasses 糖蜜	<p>in accordance with point (e)(iv) of Article 24(3) of Regulation (EU) 2018/848, in particular: 符合法规 (EU) 2018/848 第 24(3) 条 (e)(iv) 点，特别是：</p> <ul style="list-style-type: none"> <li>- when not available in organic form</li> <li>- produced/prepared without chemical solvents</li> <li>- maximum 1 % in the feed ration</li> </ul> <p>- 当没有有机形式时 - 不使用化学溶剂生产/制备 - 饲料配给中最多 1%</p>
Phytoplankton and zooplankton 浮游植物和浮游动物	<p>only in the larval rearing of organic juveniles 仅限有机幼体的幼体饲养</p>
Specific protein compounds 特定蛋白质化合物	<p>In accordance with point 1.9.3.1(c) and 1.9.4.2(c) of Regulation (EU) 2018/848, in particular: 符合法规 (EU) 2018/848 第 1.9.3.1(c) 和 1.9.4.2(c) 点，特别是：</p> <ul style="list-style-type: none"> <li>- until 31 December 2026,</li> <li>- when not available in organic form,</li> <li>- produced/prepared without chemical solvents,</li> <li>- for feeding piglets of up to 35 kg or young poultry,</li> <li>- maximum 5 % of the dry matter of feed from agricultural origin per period of 12 months</li> </ul> <p>- 直至 2026 年 12 月 31 日， - 当没有有机形式时， - 不使用化学溶剂生产/制备， - 用于喂养 35 公斤以下的仔猪或幼禽， - 每12个月期间，最多 5% 的饲料干物质来自农业来源</p>

Name 名称	Specific conditions and limits 具体条件和限制
Spices 香料	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 符合法规 (EU) 2018/848 第 24(3) 条 (e)(iv) 点, 特别是: - 当没有有机形式时 - 不使用化学溶剂生产/制备 - 饲料配给中最多 1%

**Part B B部分**

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

根据(EU) 2018/848 法规第 24(1) 条 (d) 点提及的授权用于动物营养的饲料添加剂和加工助剂

**(1) TECHNOLOGICAL ADDITIVES 技术添加剂**

(a) Preservatives 防腐剂

ID number or functional group 编码和功能组	Name 名称	Specific conditions and limits 具体条件和限制
E 200	Sorbic acid 山梨酸	
E 236	Formic acid 甲酸	
E 237	Sodium formate 甲酸钠	
E 260	Acetic acid 醋酸/乙酸	
E 270	Lactic acid 乳酸	
E 280	Propionic acid 丙酸	
E 330	Citric acid 柠檬酸	

(b) Antioxidants 抗氧化剂

ID number or functional group 编码和功能组	Name 名称	Specific conditions and limits 具体条件和限制
1b306(i)	Tocopherol extracts from vegetable oils 从植物油提取的生育酚	
1b306(ii)	Tocopherol-rich extracts from vegetable oils (delta rich) 从植物油中提取的富含生育酚的提取物 (富含Delta)	

(c) Emulsifiers, stabilisers, thickeners and gelling agents 乳化剂, 稳定剂, 增稠剂和胶凝剂

ID number or functional group 编码和功能组	Name 名称	Specific conditions and limits 具体条件和限制
1c322, 1c322i	Lecithins 卵磷脂	only when derived from organic raw material 仅来源于有机原料  use restricted to aquaculture animal feed 仅限用于水产养殖动物饲料

ID number or functional group 编码和功能组	Name 名称	Specific conditions and limits 具体条件和限制
E 407	Carrageenan 卡拉胶	only for pet food 仅限宠物食品
E 410	Locust bean gum (Carob gum) 刺槐豆胶 (角豆胶)	only for pet food 仅限宠物食品  obtained only from a roasting process 仅通过烘焙过程获得  from organic production if available 来自有机生产 (如有)
E 414	Acacia (Gum Arabic) 阿拉伯胶	only for pet food 仅限宠物食品  from organic production if available 来自有机生产 (如有)
E 415	Xanthan gum 黄原胶	
E 412	Guar gum 瓜尔豆胶	

(d) Binders and anti-caking agents 粘合剂和防结块剂

ID number or functional group 编码和功能组	Name 名称	Specific conditions and limits 具体条件和限制
E 535	Sodium ferrocyanide 亚铁氰化钠	maximum content: 20 mg/kg NaCl calculated as ferrocyanide anion. 最大含量: 20 mg/kg NaCl (以亚铁氰化物阴离子计)
E 551b	Colloidal silica 胶体二氧化硅	
E 551c	Kieselgur (diatomaceous earth, purified) (硅藻土, 纯化)	
1m558i	Bentonite 膨润土	
E 559	Kaolinitic clays, free of asbestos 高岭土, 不含石棉	
E 560	Natural mixtures of stearites and chlorite 硬质岩和绿泥石的天然混合物	
E 561	Vermiculite 蛭石	
E 562	Sepiolite 海泡石	
E 563	Sepiolitic clay 海泡粘土	
E 566	Natrolite-Phonolite 钠沸石-响石	
1g568	Clinoptilolite of sedimentary origin 沉积成因的斜发沸石	
E 599	Perlite 珍珠岩	
1g599	Illite-montmorillonite-kaolinite 伊利石-蒙脱石-高岭石	

(e) Silage additives 青贮饲料添加剂

ID number or functional group 编码和功能组	Name 名称	Specific conditions and limits 具体条件和限制
1k	Enzymes, micro-organisms 酶, 微生物	only authorized to ensure adequate fermentation 仅限已授权的确保充分发酵
1k236	Formic acid 甲酸	
1k237	Sodium formate 甲酸钠	
1k280	Propionic acid 丙酸	
1k281	Sodium propionate 丙酸钠	

(f) substances for reduction of the contamination of feed by mycotoxins  
用于减少饲料霉菌毒素污染的物质

ID number or functional group 编码和功能组	Name 名称	Specific conditions and limits 具体条件和限制
1m558	Bentonite 膨润土	

(2) SENSORY ADDITIVES 感官添加剂

ID number or functional group 编码和功能组	Name 名称	Specific conditions and limits 具体条件和限制
ex2a	Astaxanthin 虾青素	only when derived from organic sources, such as organic crustacean shells 仅当来自有机来源时, 例如有机甲壳类动物壳  only in the feed ration for salmon and trout within the limit of their physiological needs 鲑鱼和鳟鱼的饲料定量仅在其生理需要的范围内  if no astaxanthin derived from organic sources are available, astaxanthin from natural sources may be used such as Astaxanthin-rich <i>Phaffia rhodozyma</i> 如果没有有机来源的虾青素, 可使用天然来源的虾青素, 例如富含虾青素的红法夫酵母
ex2b	Flavouring compounds 调味化合物	only extracts from agricultural products, including Chestnut extract ( <i>Castanea sativa</i> Mill.) 仅限于从农产品中提取, 包括板栗提取物 ( <i>Castanea sativa</i> Mill.)

(3) NUTRITIONAL ADDITIVES 营养添加剂

(a) Vitamins, pro-vitamins and chemically well-defined substances having similar effect  
维生素, 维生素原和具有相似效果的化学物质

ID number or functional group 编码和功能组	Name 名称	Specific conditions and limits 具体条件和限制
ex3a	Vitamins and Provitamins 维生素和维生素原	derived from agricultural products 农业来源  If not available from agricultural products 如果不能从农产品中获得: - derived synthetically, only those identical to vitamins derived from agricultural products may be used for monogastric animals and aquaculture animals - 合成衍生的, 只有与农产品衍生的维生素相同的才能用于单胃动物和水产动物

ID number or functional group 编码和功能组	Name 名称	Specific conditions and limits 具体条件和限制
		- 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 合成衍生的，只有与农产品衍生的维生素相同的维生素 A、D 和 E 才可用于反刍动物；根据对有机反刍动物通过其饲料配给获得必要数量的所述维生素的可能性的评估，使用须经成员国事先授权
3a370	Taurine 牛磺酸	only for cats and dogs 仅限猫和狗  not from synthetic origin, if available 非合成来源（如有）
3a920	Betaine anhydrous 无水甜菜碱	only for monogastric animals and fish from organic production; if not available, form natural origin 仅适用于单胃动物和有机生产的鱼类；如果没有，则形成自然来源

(b) Compounds of trace elements 微量元素化合物

ID number or functional group 编码和功能组	Name 名称	Specific conditions and limits 具体条件和限制
3b101	Iron(II) carbonate (siderite) 碳酸亚铁（菱铁矿）(II)	
3b103	Iron(II) sulphate monohydrate 一水硫酸铁(II)	
3b104	Iron(II) sulphate heptahydrate 七水硫酸铁(II)	
3b107	Iron (II) chelate of protein hydrolysates 蛋白质水解物的铁 (II) 螯合物	from organic soy production, if available 来自有机大豆生产（如有）
3b110	Iron dextran 10 % 右旋糖酐铁 10%	restricted to use in accordance with Commission Regulation (EU) 2020/354 as feed intended for particular nutritional purposes: compensation for insufficient iron availability after birth 根据委员会(EU) 2020/354法规，仅限用作特定营养目的的饲料：补偿出生后铁供应不足  only for suckling piglets 仅适用于哺乳仔猪  growing medium for the fermentation process for dextran must be of non-GMO origin 用于右旋糖酐发酵过程的生长培养基必须是非转基因来源  use restricted to selective application (only for piglets in need and for a limited period) 仅限选择性使用（仅适用于有需要的仔猪且在有限时间内）
3b201	Potassium iodide 碘化钾	
3b202	Calcium iodate, anhydrous 无水碘酸钙	
3b203	Coated granulated calcium iodate anhydrous 包衣粒状无水碘酸钙	



ID number or functional group 编码和功能组	Name 名称	Specific conditions and limits 具体条件和限制
3b301	Cobalt(II) acetate tetrahydrate 四水合醋酸钴(II)	
3b302	Cobalt(II) carbonate 碳酸钴 (II)	
3b303	Cobalt(II) carbonate hydroxide (2:3) monohydrate 钴 (II) 碳酸氢盐 (2: 3) 一水合物	
3b304	Coated granulated cobalt(II) carbonate 包衣造粒碳钴 (II) 碳酸盐	
3b305	Cobalt(II) sulphate heptahydrate 七水硫酸钴 (II)	
3b402	Copper(II) carbonate dihydroxy monohydrate 一水碱式碳酸铜 (II)	
3b404	Copper (II) oxide 氧化铜 (II)	
3b405	Copper(II) sulphate pentahydrate 五水硫酸铜 (II)	
3b407	Copper (II) chelate of protein hydrolysates 蛋白质水解物铜螯合物	from organic soy production, if available 来自有机大豆生产 (如有)
3b409	Dicopper chloride trihydroxide 氧氯化铜	
3b502	Manganese (II) oxide 氧化锰 (II)	
3b503	Manganous sulfate, monohydrate 一水硫酸锰	
3b505	Manganese chelates of protein hydrolysates 蛋白质水解物的锰螯合物	from organic soy production, if available 来自有机大豆生产 (如有)
3b603	Zinc oxide 氧化锌	
3b604	Zinc sulphate heptahydrate 七水硫酸锌	
3b605	Zinc sulphate monohydrate 一水硫酸锌	
3b609	Zinc chloride hydroxide monohydrate 氢氧化氯化锌一水合物	
3b612	Zinc chelate of protein hydrolysates 蛋白质水解物的锌螯合物	from organic soy production, if available 来自有机大豆生产 (如有)
3b701	Sodium molybdate dihydrate 二水钼酸钠	
3b801	Sodium selenite 亚硒酸钠	
3b802	Coated granulated sodium selenite 包衣造粒亚硒酸钠	
3b803	Sodium selenate 硒酸钠	
3b810	Selenised yeast, <i>Saccharomyces cerevisiae</i> CNCM I-3060, inactivated 硒化酵母、酿酒酵母CNCM I-3060, 灭活的	

ID number or functional group 编码和功能组	Name 名称	Specific conditions and limits 具体条件和限制
3b810i	Selenised yeast, <i>Saccharomyces cerevisiae</i> CNCM I-3060, inactivated 硒化酵母、酿酒酵母CNCM I-3060, 灭活的	
3b811	Selenised yeast, <i>Saccharomyces cerevisiae</i> NCYC R397, inactivated 硒化酵母、酿酒酵母NCYC R397, 灭活的	
3b812	Selenised yeast, <i>Saccharomyces cerevisiae</i> CNCM I-3399, inactivated 硒化酵母、酿酒酵母CNCM I-3399, 灭活的	
3b813	Selenised yeast, <i>Saccharomyces cerevisiae</i> NCYC R646, inactivated 硒化酵母、酿酒酵母NCYC R646, 灭活的	
3b817	Selenised yeast, <i>Saccharomyces cerevisiae</i> NCYC R645, inactivated 硒化酵母、酿酒酵母NCYC R645, 灭活的	

(c) Amino acids, their salts and analogues

ID number or functional group 编码和功能组	Name 名称	Specific conditions and limits 具体条件和限制
3c3.5.1 and 3c352	L-histidine monohydrochloride monohydrate L-组氨酸盐酸盐-水合物	produced through fermentation 通过发酵产生  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 当法规 (EU) 2018/848 附录二第二部分第 3.1.3.3 点所列的饲料来源不能提供足够量的组氨酸来满足鱼类的膳食需求时, 可作为鲑科鱼的饲料配给量

(4) ZOOTECHNICAL ADDITIVES 动物技术添加剂

ID number or functional group 编码和功能组	Name 名称	Specific conditions and limits 具体条件和限制
4a, 4b, 4c and 4d	Enzymes and microorganism 酶和微生物	
4d7 and 4d8	Ammonium chloride 氯化铵	only for cats 仅限猫