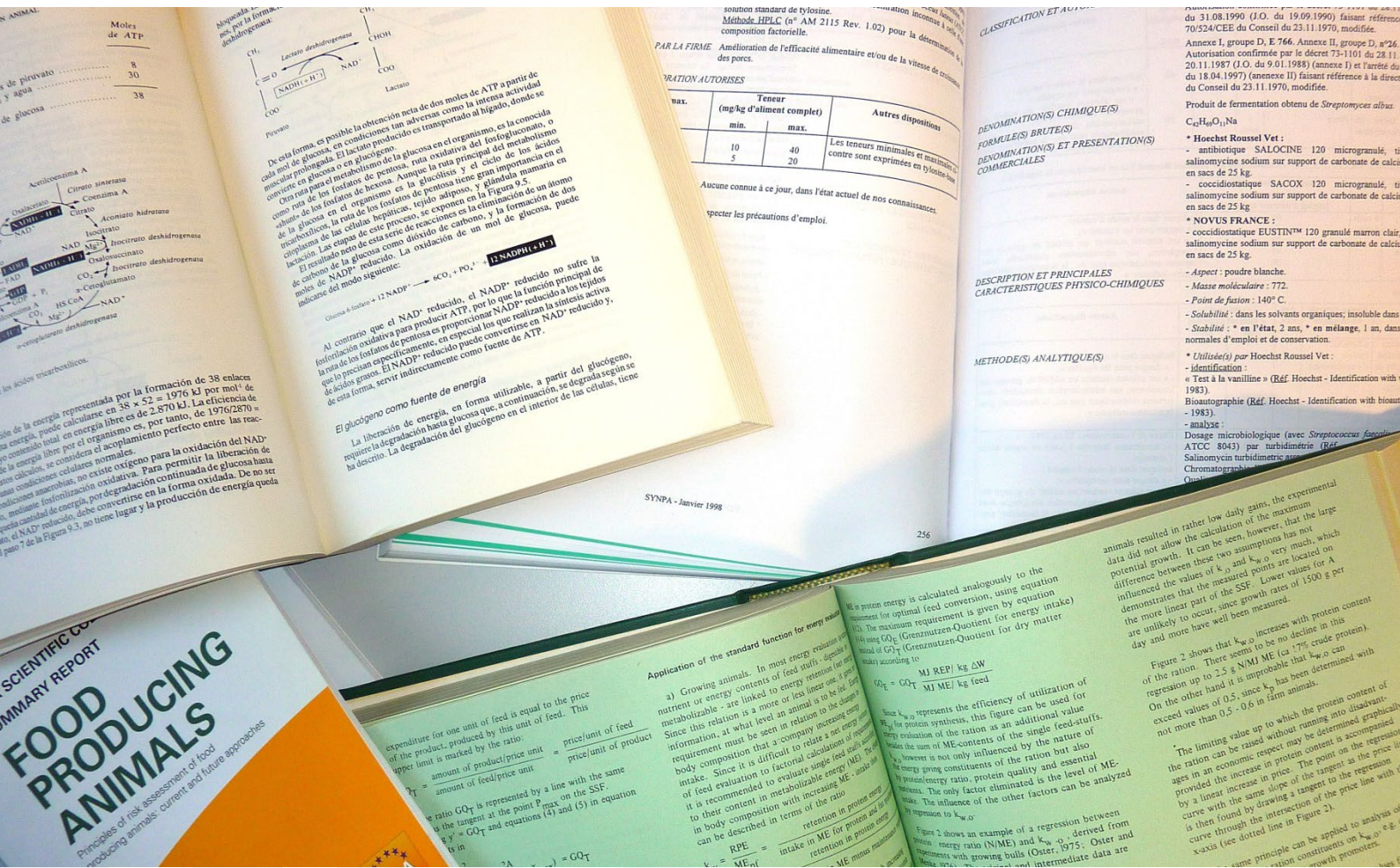




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Register of Feed Additives

pursuant to Regulation (EC) No 1831/2003

List of deletions from the register from edition 279 (10/02/20) to edition 302 (06/12/22)

Health and
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Edition 01/2023 (303):

Deletion(s)

- 1; a; Preservatives; 1a700; Sodium benzoate 140 g/kg, Propionic acid 370 g/kg, Sodium propionate 110 g/kg [Pigs; Poultry; Bovines; Sheep; Goats; Rabbits; Horses]; Commission Implementing Regulation (EU) No 159/2013 of 21 February 2013; OJ L 49, 22.02.2013, p. 47
Authorisation expired 14.03.2023
- 4; a; Digestibility enhancers; 4a1642; Endo-1,4-beta-xylanase produced by *Trichoderma koningii* (MUCL 39203) (Holder of the authorisation Lyven) [Turkeys for fattening, Turkeys reared for laying]; Commission Implementing Regulation (EU) No 1195/2012 of 13 December 2012; OJ L 342, 14.12.2012, p. 23
Authorisation expired 03.01.2023

Edition 07/2022 (302): published on 6 December 2022

Deletion(s)

- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 406; Agar [Pets and other non-food producing animals (non-food fur animals)]; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
- 1; k; Silage additives; 1k20713; *Lactobacillus plantarum* (NCIMB 41028); Commission Implementing Regulation (EU) No 841/2012 of 18 September 2012; OJ L 252, 19.09.2012, p. 17 Authorisation expired
- 1; k; Silage additives; 1k20714; *Lactobacillus plantarum* (NCIMB 30148); Commission Implementing Regulation (EU) No 841/2012 of 18 September 2012; OJ L 252, 19.09.2012, p. 17 Authorisation expired
- 1; k; Silage additives; 1k20719; *Lactobacillus plantarum* (DSM 16565); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012; OJ L 314, 14.11.2012, p. 15 Authorisation expired
- 1; k; Silage additives; 1k20720; *Lactobacillus plantarum* (DSM 16568); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012; OJ L 314, 14.11.2012, p. 15 Authorisation expired
- 1; k; Silage additives; 1k20723; *Lactobacillus plantarum* (NCIMB 30094); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012; OJ L 314, 14.11.2012, p. 15 Authorisation expired
- 1; k; Silage additives; 1k20724; *Lactobacillus plantarum* (VTT E-78076); Commission Implementing Regulation (EU) No 1065/2012 of 13.11.2012; OJ L 314, 14.11.2012, p. 15 Authorisation expired
- 2; a; Colourants, substances that add or restore colour in feedingstuffs; 2a122; Azorubine or carmoisine (Disodium 4-hydroxy-3-(4-sulfonato-1-naphthylazo) naphthalene-1-sulfonate) [Cats and dogs]; Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012; OJ L 257, 25.09.2012, p. 3
Authorisation expired
- 2; b; Natural products – botanically defined; *Bambusa* sp.: tincture; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
- 2; b; Natural products – botanically defined; *Pimenta dioica* L. Merr. = *P. officinalis* Lind L.: Allspice oil CAS 8006-77-7 FEMA 2018 CoE 335 EINECS 284-540-4 Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004

- 3; a; Chemically well defined substances having a similar biological effect to vitamins; Omega-6 Essential Unsaturated Fatty acids (as octadecadienoic acid) [Sows for reproduction; Sows, in order to have benefit in piglets; Cows for reproduction]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
- 3; a; Vitamins, provitamins and chemically well-defined substances having a similar effect; 3a700; Vitamin E or all-rac-alpha-tocopheryl acetate or RRR-alpha-tocopheryl acetate or RRR alpha tocopherol [All species]; Reg. (EU) No 26/2011 of 14 January 2011 / Correction in Commission Implementing Regulation (EU) 2015/1747 of 30 September 2015; OJ L 11, 15.01.2011, p. 18 / Correction in OJ L 256, 01.10.2015, p. 7
- 4; d; Other zootechnical additives; 4d1; Lanthanum carbonate octahydrate (Lantharenol) (Holder of the authorisation Bayer Animal Health GmbH) [Dogs]; Commission Implementing Regulation (EU) No 842/2012 of 18 September 2012; OJ L 252, 19.09.2012, p. 21 Authorisation expired

Deletion(s)

- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 3658-77-3 / 4-Hydroxy-2,5-dimethylfuran-3(2H)-one / Flavis No. 13.010 [Pets]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b13010
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 3188-00-9 / 4,5-Dihydro-2-methylfuran-3(2H)-one / Flavis No. 13.042 [Pets]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b13042
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 97-53-0 / Eugenol / Flavis No. 04.003 [All animal species with the exception of poultry and fish]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b04003
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 4180-23-8 / 1-Methoxy-4-(prop-1(trans)-enyl)benzene / Flavis No. 04.010 [All animals species with the exception of poultry and fish]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b04010
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 122-40-7 / alpha-Pentylcinnamaldehyde / Flavis No. 05.040; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b05040
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 101-86-0 / alpha-Hexylcinnamaldehyde / Flavis No. 05.041; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b05041
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 1122-62-9 / 2-Acetylpyridine / Flavis No. 14.038; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b14038

- 2; b; Natural products – botanically defined; *Citrus aurantiifolia* (Christm.) Swingle: Lime oil expressed
CAS 8008-26-2
FEMA 2631
CoE 141
EINECS 290-010-3
Lime oil expressed terpeneless
CAS 68916-84-7
FEMA 2632
CoE 141
Lime oil distilled
CAS 8008- 26-2
CoE 141
EINECS 290-010-3
Lime essence oil
CoE 141; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50, 25.02.2004, p. 1
Replaced by 2b141-eo
- 2; b; Natural products – botanically defined; *Citrus limon* (L.) Burm.:
Lemon oil distilled
CAS 8008-56-8
CoE 139
EINECS 284-515-8
Lemon oil expressed
CAS 84929-31-7
FEMA 2625
CoE 139
EINECS 284-515-8
Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50, 25.02.2004, p. 1
Replaced by 2b139-di; 2b139-eo and 2b139-rf
- 2; b; Natural products – botanically defined; *Cinnamomum camphora* L.: Camphor oil white
CAS 8008-51-3
FEMA 2231
CoE 130
EINECS 294-760-2 / Camphor oil brown
CAS 8008-51-3
CoE 130
EINECS 294-760-2 / Camphor oil yellow
CAS 8008-51-3
CoE 130
EINECS 294-760-2; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50, 25.02.2004, p. 1
Replaced by 2b130-eo
- 3; a; Vitamins and provitamins; Vitamin B12 / Cyanocobalamin; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
- 4; a; Digestibility enhancers; 4a16; Preparation 6-phytase (EC 3.1.3.26) produced by *Komagataella pastoris* (DSM 23036) (Holder of the authorisation Huvepharma AD) [Chickens for fattening; Chickens reared for laying; Laying hens; Other avian species other than turkeys for fattening and turkeys reared for breeding; Sows; Turkeys for fattening; Turkeys reared for breeding; Pigs for fattening; Piglets (weaned)]; Commission Implementing Regulation (EU) No 98/2012 of 7 February 2012 in OJ L 35, 08.02.2012, p. 6
Replaced by 4a16

- 3; a; Vitamins and provitamins; Vitamin B12 / Cyanocobalamin produced by *Ensifer fredii* CMCC(B)70000, *Ensifer adhaerens* CICC 11008s and *Propionibacterium freudenreichii* subsp. *Shermanii*; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1

Edition 05/2022 (300): published on 30 August 2022

Deletion(s)

- 1; a; Preservatives; 1a237a; Potassium diformate [Piglets; Pigs for fattening; Sows]; Commission Implementing Regulation (EU) No 333/2012 of 19 April 2012; OJ L 108, 20.04.2012, p. 3
Replaced by 1a237a
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 3025-30-7 / Ethyldeca-2(cis),4(trans)-dienoate / Flavis No. 09.260; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b09260
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 1003-04-9 / 4,5-Dihydrothiophen-3(2H)-one / Flavis No. 15.012; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b15012
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 104-93-8 / 1-Methoxy-4-methylbenzene / Flavis No. 04.015; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b04015
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 20662-84-4 / Trimethyloxazole / Flavis No. 13.169; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b13169
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 108-39-4 / 3-Methylphenol / Flavis No. 04.026; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b04026
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 95-65-8 / 3,4-Dimethylphenol / Flavis No. 04.048; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b04048
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 100-06-1 / 4-Methoxyacetophenone / Flavis No. 07.038; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b07038

- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 5421-17-0 / Hexyl phenylacetate / Flavis No. 09.804; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b09804
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 122-00-9 / 4-Methylacetophenone / Flavis No. 07.022; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b07022
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 698-10-2 / 5-Ethyl-3-hydroxy-4-methylfuran-2(5H)-one / Flavis No. 10.023; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b10023
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 103-52-6 / Phenethyl butyrate / Flavis No. 09.168; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b09168
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 622-45-7 / Cyclohexyl acetate / Flavis No. 09.027; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b09027
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 13494-06-9 / 3,4-Dimethylcyclopentan-1,2-dione / Flavis No. 07.075; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b07075
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 13494-06-9 / 3,4-Dimethylcyclopentan-1,2-dione / Flavis No. 07.075; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b07075
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 78-93-3 / Butan-2-one / Flavis No. 07.053; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b07053
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 140-88-5 / Ethyl acrylate / Flavis No. 09.037; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b09037
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 25415-62-7 / Pentyl isovalerate / Flavis No. 09.499; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b09499
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 15706-73-7 / Butyl 2-methylbutyrate / Flavis No. 09.519; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b09519

- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 110-41-8 / 2-Methylundecanal / Flavis No. 05.077; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b05077
- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 80-59-1 / 2-Methylcrotonic acid / Flavis No. 08.064; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b08064
- 2; b; Natural products – botanically defined; *Agathosma betulina*, synonyme *Barosma betulina* Bartl. et Wendl.: Buchu leaves oil
CAS 68650-46-4
FEMA 2169
CoE 85
EINECS 283-474-3
Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50, 25.02.2004, p. 1
Replaced by 2b85c-eo
- 2; b; Natural products – botanically defined; *Boswellia serrata* Roxb. ex Colebr.: Olibanum extract (wb) [All animal species]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b2816-ex
- 2; b; Natural products – botanically defined; *Cananga odorata* (Lam.) Hook. et Thoms.: Ylang-ylang oil
CAS 8006-81-3
FEMA 3119
CoE 103
EINECS 297-681-1; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b103-eo
- 2; b; Natural products – botanically defined; *Citrus sinensis* (L.) Pers. = *C. aurantium* L. var. *dulcis*:
Orange terpenes
CAS 8028-48-6
CoE 143
EINECS 232- 433-8
Orange oil cold pressed
CAS 8028-48-6
FEMA 2825
CoE 143
EINECS 232-433-8
Orange oil distilled
CAS 68606-94- 0
FEMA 2821
CoE 143
EINECS 304-454-3
Orange oil terpeneless
CAS 8008-57-9
FEMA 2822/2826
CoE 143
EINECS 232-433-8
Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b143-eo, 2b143-di; 2b143-f; 2b143f and 2b143fii

- 2; b; Natural products – botanically defined; *Origanum vulgare* L., *subsp. Hirtum* Oregano oil; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b317-e-o-i
- 3; a; Vitamins and provitamins; Vitamin B₁₂ / Cyanocobalamin; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 3a835
- 3; a; Vitamins and provitamins; Vitamin B₁₂ / Cyanocobalamin produced by *Ensifer fredii* CMCC(B)70000, *Ensifer adhaerens* CICC 11008s and *Propionibacterium freudenreichii subsp. Shermanii*; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1

Edition 04/2022 (299): published on 21 June 2022

Deletion(s)

- 1; b; E 320; Butylated hydroxyanisole (BHA) [cats]; FIFTEENTH COMMISSION DIRECTIVE of 21 June 1976 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/248/EEC) / Amended by Commission Regulation (EC) No 2316/98 of 26 October 1998; OJ L 198, 23.07.1976, p. 10 / amended by OJ L 289, 28.10.1998, p. 4

Edition 03/2022 (298): published on 18 May 2022

Deletion(s)

- 2; b; Natural products – botanically defined; *Citrus aurantium* L. *var myrtifolia* Ker-Gawl. = *C. aurantium* L. spp. *Amara var. pumilia*: Bitter orange extract of whole fruit ; CoE 138; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b136-ex
- 2; b; Natural products – botanically defined; *Melissa officinalis* L.: Balm leaves extract
CAS 84082-61-1
FEMA 2112
CoE 280
EINECS 282-007-0
Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b280-ex
- 2; b; Natural products – botanically defined; *Litsea cubeba* Pers.: *Litsea cubeba* berry oil
CAS 68855-99-2
FEMA 3846
CoE 491
EINECS 290-018-7 ; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50, 25.02.2004, p. 1
Replaced by 2b491-eo

- 2; b; Natural products – botanically defined; *Citrus limon* (L.) Burm.:
Lemon extract
CAS 84929-31-7
FEMA 2623
CoE 139; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50, 25.02.2004, p. 1
Replaced by 2b139a-ex
- 4; b; Gut flora stabilisers; 4b1820; *Bacillus subtilis* C-3102 (DSM 15544) (Calsporin) (Holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented in the European Union by Pen & Tec Consulting S.L.U.) [Chickens for fattening]; Commission Implementing Regulation (EU) 2019/893 of 28 May 2019 / Amended by Commission Implementing Regulation (EU) 2020/146 of 3 February 2020; OJ L 142, 29.05.2019, p. 60 / Amended by OJ L 31, 09.06.2016, p. 3
Repealed by Commission Implementing Regulation (EU) 2022/703 of 5 May 2022
- 4; b; Gut flora stabilisers; 4b1820; *Bacillus subtilis* C-3102 (DSM 15544) (Holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented in the European Union by Pen & Tec Consulting S.L.U.) [Piglets (weaned)]; Reg. (EC) No 333/2010 of 22 April 2010 / Amended by Commission Implementing Regulation (EU) No 2016/897 of 8 June 2016 / Amended by Commission Implementing Regulation (EU) 2020/146 of 3 February 2020; OJ L 102, 23.4.2010, p. 19 / Amended by OJ L 152, 09.06.2016, p. 7 / Amended by OJ L 31, 09.06.2016, p. 3
Repealed by Commission Implementing Regulation (EU) 2022/703 of 5 May 2022
- 4; d; Other zootechnical additives; 4d 5; Sodium benzoate (Holder of the authorisation Taminco Finland Oy) [Piglets (weaned)]; Commission Implementing Regulation (EU) No 496/2011 of 20 May 2011
Replaced by 4d5

Edition 02/2022 (297): published on 24 March 2022

Deletion(s)

- 1; a; Preservatives; E 200; Sorbic acid; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1a200
- 1; a; Preservatives; E 202; Potassium sorbate; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1k202
- 1; a; Preservatives; E 236; Formic acid; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1k236
- 1; a; Preservatives; E 237; Sodium formate; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1j237i
- 1; a; Preservatives; E 238; Calcium formate; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1a238

- 1; a; Preservatives; E 260; Acetic acid; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1a260
- 1; a; Preservatives; E 262; Sodium diacetate; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1a262
- 1; a; Preservatives; E 263; Calcium acetate; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1a263
- 1; a; Preservatives; E 270; Lactic acid; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1a270
- 1; a; Preservatives; E 280; Propionic acid; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1k280
- 1; a; Preservatives; E 281; Sodium propionate; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1k281
- 1; a; Preservatives; E 282; Calcium propionate; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1a282
- 1; a; Preservatives; E 284; Ammonium propionate; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1k284
- 1; a; Preservatives; E 295; Ammonium formate; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1a295
- 1; a; Preservatives; E 296; DL-Malic acid; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1a296
- 1; a; Preservatives; E 327; Calcium lactate; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1a327
- 1; a; Preservatives; E 330; Citric acid; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Replaced by 1a330

- 1; j; Acidity regulators; 1j514ii; Sodium bisulphate [Pets and other non-food producing animals other than cats and mink; Cats; Mink]; Commission Implementing Regulation (EU) No 136/2012 of 16 February 2012 / Amended by Commission Implementing Regulation (EU) 2015/1414 of 20 August 2015; OJ L 46, 17.02.2012, p. 33 / Amended by OJ L 220, 21.08.2015, p. 3
Authorisation expired on 08.03.2022
- 1; k; Silage additives; 1k2077; *Lactobacillus paracasei* (DSM 16773); Commission Implementing Regulation (EU) No 1263/2011 of 5 December 2011; OJ L 322, 06.12.2011, p. 3
Authorisation expired 26.12.2021
- 2; b; Flavouring compounds; 1j514ii; Sodium bisulphate [Pets and other non-food producing animals other than cats and mink; Cats; Mink] Commission Implementing Regulation (EU) No 136/2012 of 16 February 2012 / Amended by Commission Implementing Regulation (EU) 2015/1414 of 20 August 2015; OJ L 46, 17.02.2012, p. 33 / Amended by OJ L 220, 21.08.2015, p. 3
Authorisation expired on 08.03.2022
- 2; b; Natural products – botanically defined; *Citrus aurantium* L.: Petitgrain bigarade oil
CAS 8014- 17-3
FEMA 2855
CoE 136
EINECS 283-881-6 ;
Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b136-eo. Transitional measures in article 2 of Commission Implementing Regulation (EU) 2022/347 of 1 March 2022
- 2; b; Natural products – botanically defined; *Citrus reticulata* Blanco: Mandarin oil
CAS 8008-31-9
FEMA 2657
CoE 142;
Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b142-eo. Transitional measures in article 2 of Commission Implementing Regulation (EU) 2022/320 of 25 February 2022
- 4; d; Other zootechnical additives; 4d6; Preparation of caraway oil, lemon oil with dried herbs and spices (Holder of the authorisation Delacon Biotechnik GmbH) [Piglets (weaned)]; Commission Implementing Regulation (EU) No 131/2012 of 15 February 2012; OJ L 43, 16.02.2012, p. 5
Authorisation expired 07.03.2022

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Deletion(s)

- 1; k; Silage additives; 1k2072; *Lactobacillus buchneri* (DSM 22963); Commission Implementing Regulation (EU) No 868/2011 of 31 August 2011 in OJ L 226, 01.09.2011, p. 2
Authorisation expired on 21.09.21

Deletion(s)

- 2; a; Other colourants; E 171; Titanium dioxide (anatase & rutile structure) as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats; All species or categories of animals with the exception of dogs and cats]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
Authorisation **DENIED** by Commission Implementing Regulation (EU) 2021/2090 of 25 November 2021 in OJ L 427, 30.11.2021, p. 160
- 4; a; Digestibility enhancers; 4a8; Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (CBS 114044) (Holder of the authorisation Roal Oy) [Minor poultry species other than laying birds thereof; Laying hens; Laying hens and laying birds of minor poultry species; Pigs for fattening]; Commission Implementing Regulation (EU) No 1110/2011 of 3 November 2011 in OJ L 287, 04.11.2011, p.
Authorisation expired 24.11.2021 and no application for renewal under article 14 was submitted before 24.11.2020.
- 4; b; Gut flora stabilisers; 4b1713; *Enterococcus faecium* CECT 4515 (Holder of the authorisation Evonik Operations GmbH) [Chickens for fattening]; Commission Implementing Regulation (EU) No 887/2011 of 5 September 2011 in OJ L 229, 06.09.2011, p. 7
Authorisation expired 26.09.2021 and no application for renewal under article 14 was submitted before 26.09.2020.
- 4; b; Gut flora stabilisers; 4b1872; *Saccharomyces cerevisiae* NCYC R-625 (Holder of the authorisation Integro Gida SAN. ve TIC. A.S. represented by RM Associates Ltd) [Piglets (weaned)]; Commission Implementing Regulation (EU) No 1074/2011 of 24 October 2011 in OJ L 278, 25.10.2011, p. 5.
Authorisation expired 14.11.2021 and no application for renewal under article 14 was submitted before 14.11.2020.
- 4; d; Other zootechnical additives; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [All fish other than salmonids]; Commission Implementing Regulation (EU) No 95/2013 of 1 February 2013 Repealed by Commission Implementing Regulation (EU) 2020/151 of 4 February 2020.
- 5; Coccidiostats and other medicinal substances; E 756; Decoquinat – 60,6 g/kg (Deccox) (Holder of the authorisation Zoetis Belgium SA) [Chickens for fattening]; Reg. (EC) No 1289/2004; OJ L 243, 15.07.2004, p. 15
Repealed by Commission Implementing Regulation (EU) 2021/2094 of 29 November 2021
Replaced by 51756i
- 5; Coccidiostats and histomonostats; 5 1 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) (Holder of the authorisation Elanco GmbH) [Turkeys for fattening]; Commission Implementing Regulation (EU) No 888/2011 of 5 September 2011 / Amended by Commission Implementing Regulation (EU) No 160/2013 of 21 February 2013 / Amended by Commission Implementing Regulation (EU) 2019/138 in OJ L 229, 06.09.2011, p. 9 / Amended by OJ L 49, 22.02.2013, p. 50 / (See also <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2012:219:0005:0012:EN:PDF>) / Amended by OJ L 26, 30.01.2019, p. 1
Authorisation expired on 26.09.2021 and no application for renewal under article 14 was submitted before 26.09.2020.
- Micro-organisms; E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Lambs for fattening]; Reg. (EC) No 1447/2006 of 29 September 2006 in OJ L 271, 30.09.2006, p. 28
Repealed by Commission Implementing Regulation (EU) 2019/899 of 29 May 2019

- 3; c; Amino acids, their salts and analogues; 3c322ii; L-lysine monohydrochloride produced by fermentation with:
Corynebacterium glutamicum KCCM 80183
or *Corynebacterium glutamicum* CCTCC M 2015595; Commission Implementing Regulation (EU) 2021/2095 of 29 November 2021 Corrigendum in OJ L 433 ES, 06.12.2021, p. 91
- 3; c; Amino acids, their salts and analogues; 3c324i; L-lysine sulphate produced by fermentation with:
Corynebacterium glutamicum KCCM 80227; Commission Implementing Regulation (EU) 2021/2095 of 29 November 2021 Corrigendum in OJ L 433 ES, 06.12.2021, p. 91
- 3; c; Amino acids, their salts and analogues; 3c325i; L-lysine sulphate produced by fermentation with:
Corynebacterium glutamicum CCTCCM 2015595; Commission Implementing Regulation (EU) 2021/2095 of 29 November 2021 Corrigendum in OJ L 433 ES, 06.12.2021, p. 91

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Deletion(s)

- 4; b; Gut flora stabilisers; 4b1830; Preparation of *Clostridium butyricum* (FERM BP-2789) (Holder of the authorisation Miyarisan Pharmaceutical Co. Ltd represented by Huvepharma NV Belgium) [Minor avian species (excluding laying birds); Piglets (weaned) and minor porcine species (weaned)]; Commission Implementing Regulation (EU) No 373/2011 of 15 April 2011 in OJ L 102, 16.04.2011, p. 10
Replaced by 4b1830
- 4; b; Gut flora stabilisers; 4b1830; Preparation of *Clostridium butyricum* (FERM BP-2789) (Holder of the authorisation Miyarisan Pharmaceutical Co. Ltd represented by Huvepharma NV Belgium) [Chickens reared for laying]; Commission Implementing Regulation (EU) No 374/2013 of 23 April 2013 in OJ L 112, 24.04.2013, p. 13
Replaced by 4b1830
- 4; b; Gut flora stabilisers; 4b1830; Preparation of *Clostridium butyricum* (FERM BP-2789) (Holder of the authorisation Miyarisan Pharmaceutical Co. Ltd represented by Huvepharma NV Belgium) [Turkeys for fattening; Turkeys reared for breeding]; Commission Implementing Regulation (EU) No 1108/2014 of 20 October 2014 in OJ L 301, 21.10.2014, p. 16
Replaced by 4b1830
- 4; b; Gut flora stabilisers; 4b1841; *Enterococcus faecium* (DSM 7134) (Holder of the authorisation Lactosan GmbH & Co KG) [Chickens for fattening]; Reg. (EU) No 998/2010 of 5 November 2010 in OJ L 290, 06.11.2010, p. 22
Replaced by 4b1841

Deletion(s)

- 2; b; Natural products – botanically defined; *Curcuma longa* L.: Turmeric extract
CAS 8024-37-1
FEMA 3086
CoE 163
EINECS 283-882-1
Turmeric oleoresin
CAS 84775-52-0
FEMA 3087
CoE 163
EINECS 283-882-1
Turmeric oil
CAS 8024-37-1
FEMA 3085
CoE 163
EINECS 283-882-1
Turmeric tincture
CoE 163; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b163-eo, 2b163-or and 2b163-ex
- 3; b; Compounds of trace elements; 3b5.10; Manganese chelate of hydroxy analogue of methionine [All species]; Reg. (EU) No 350/2010 of 23 April 2010 in OJ L 104, 24.04.2010, p. 36
Replaced by 3b510
Transitional measures in Article 2 of Commission Implementing Regulation (EU) 2021/967 of 16 June 2021
- 3; b; Compounds of trace elements; 3b6.10; Zinc chelate of hydroxy analogue of methionine [All species]; Reg. (EU) No 335/2010 of 22 April 2010 in OJ L 102, 23.04.2010, p. 22
Replaced by 3b610
Transitional measures in Article 2 of Commission Implementing Regulation (EU) 2021/968 of 16 June 2021
- 4; a; Digestibility enhancers; 4a12; Preparation of 6-phytase (EC 3.1.3.26) produced by *Trichoderma reesei* (CBS 122001) (Holder of the authorisation Roal Oy) [Poultry for fattening and breeding other than turkeys for fattening, for poultry for laying and for pigs other than sows]; Reg. (EU) No 277/2010 of 31 March 2010 in OJ L 86, 01.04.2010, p. 13
Replaced by 4a12
Transitional measures in Article 2 of Commission Implementing Regulation (EU) 2021/982 of 17 June 2021
- 4; a; Digestibility enhancers; 4a12; Preparation of 6-phytase (EC 3.1.3.26) produced by *Trichoderma reesei* (CBS 122001) (Holder of the authorisation Roal Oy) [Turkeys]; Reg. (EU) No 891/2010 of 8 October 2010 in OJ L 266, 09.10.2010, p. 4
Replaced by 4a12
Transitional measures in Article 2 of Commission Implementing Regulation (EU) 2021/982 of 17 June 2021
- 4; a; Digestibility enhancers; 4a12; Preparation of 6-phytase (EC 3.1.3.26) produced by *Trichoderma reesei* (CBS 122001) (Holder of the authorisation Roal Oy) [Sows]; Commission Implementing Regulation (EU) No 886/2011 of 5 September 2011 in OJ L 229, 06.09.2011, p. 5
Replaced by 4a12
Transitional measures in Article 2 of Commission Implementing Regulation (EU) 2021/982 of 17 June 2021

- 4; a; Digestibility enhancers; 4a7; Preparation of endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) and endo-1,4-beta-glucanase produced by *Aspergillus niger* (DSM 18404) (Holder of the authorisation BASF SE) [Piglets (weaned); Chickens for fattening; Laying hens; Turkeys for fattening; Ducks for fattening]; Reg. (EC) No 271/2009 of 2 April 2009 in OJ L 91, 03.04.2009, p. 5
Replaced by 4a7
Transitional measures in Article 2 of Commission Implementing Regulation (EU) 2021/981 of 17 June 2021
- 4; a; Digestibility enhancers; 4a7; Preparation of endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) and endo-1,4-beta-glucanase produced by *Aspergillus niger* (DSM 18404) (Holder of the authorisation BASF SE) [Minor poultry species for fattening (other than ducks for fattening) and ornamental birds; Chickens reared for laying, turkeys for breeding purposes, turkeys reared for breeding and all minor avian species for laying]; Commission Implementing Regulation (EU) No 1068/2011 of 21 October 2011 in OJ L 271, 22.10.2011, p. 11
Replaced by 4a7
Transitional measures in Article 2 of Commission Implementing Regulation (EU) 2021/981 of 17 June 2021
- 4; b; Gut flora stabilisers; 4b1820; *Bacillus subtilis* C-3102 (DSM 15544) (Holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented in the European Union by Pen & Tec Consulting S.L.U.) [Chickens reared for laying; Turkeys, minor avian species and other ornamental and game birds]; Reg. (EC) No 184/2011 of 25 February 2011 in OJ L 53, 26.02.2011, p. 33
Authorisation expired
- 5; Coccidiostats and histomonostats; 5 1 770; Maduramicin ammonium alpha 10 g/kg (Cygro 10 G) (Holder of the authorisation Zoetis Belgium SA) [Chicken for fattening]; Commission Implementing Regulation (EU) No 388/2011 of 19 April 2011 in OJ L 104, 20.04.2011, p. 1
Authorisation expired
- 5; Coccidiostats and histomonostats; 5 1 771; Diclazuril 0,5 g/100 g (Clinacox 0,5 % Premix) (Holder of the authorisation Elanco GmbH) [Guinea fowls]; Reg. (EU) No 169/2011 of 23 February 2011 in OJ L 49, 24.02.2011, p. 6
Authorisation expired
- 2; b; Natural products – botanically defined; *Origanum vulgare* L., *subsp. Hirtum* Oregano oil; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1

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Deletion(s)

- 4; a; Digestibility enhancers; 4a6; 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 17594) (Holder of the authorisation DSM Nutritional Products Ltd., represented by DSM Nutritional Products Sp. Z.o.o.) [Piglets (weaned), Pigs for fattening, Poultry for fattening, Poultry for laying]; Reg. (EC) No 1088/2009 of 12 November 2009 / Corrigendum ES in O.J. L 14 of 20.01.2010 p. 13; OJ L 297, 13.11.2009, p. 6 / Corrigendum ES OJ L 14 ES, 20.01.2010, p. 13
Authorisation expired 01.12.2019
- 4; a; Digestibility enhancers; 4a6; 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 17594) (Holder of the authorisation DSM Nutritional Products Ltd., represented by DSM Nutritional Products Sp. Z.o.o.) [Sows]; Reg. (EU) No 999/2010 of 5 November 2010 / Corrigendum BG OJ L 341 BG 23.12.2010, p. 52; OJ L 290, 06.11.2010, p. 24 / Corrigendum BG OJ L 341 BG 23.12.2010, p. 52
Authorisation expired 26.11.2020

- 4; a; Digestibility enhancers; 4a1641(i); 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 14223) (Holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. z o.o) [Poultry for breeding and for laying; Other poultry; Pigs for breeding and minor porcine species for breeding]; Reg. (EC) No 171/2011 of 23 February 2011 in OJ L 49, 24.02.2011, p. 11
Authorisation expired 16.03.2021
- 4; a; Digestibility enhancers; 4a1641(i); 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 14223) (Holder of the authorisation DSM Nutritional Products Ltd represented by DSM Nutritional products Sp. z o.o) [Salmonids]; Reg. (EC) No 221/2011 of 4 March 2011; OJ L 60, 05.03.2011, p. 3
Authorisation expired 25.03.2021
- 1; Binders, anti-caking agents and coagulants; E 558; Bentonite-montmorillonite; Commission Regulation (EC) No 2439/1999 of 17 November 1999 / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 5 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; a; Preservatives; E 325; Sodium lactate ; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; a; Preservatives; E 326; Potassium lactate; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; a; Preservatives; E 331; Sodium citrates [All species or categories of animals]; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; a; Preservatives; E 332; Potassium citrates [All species or categories of animals] ; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 420; Sorbitol ; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 421; Mannitol ; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021

- 1; j; Acidity regulators; E 503(i); Ammonium carbonate [Cats; Dogs]; Commission Directive of 27 October 1986 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (86/525/EEC) / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; j; Acidity regulators; E 503(ii); Ammonium hydrogen carbonate [Cats; Dogs]; Commission Directive of 27 October 1986 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (86/525/EEC) / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; j; Acidity regulators; E 525; Potassium hydroxide [Cats; Dogs]; Commission Directive of 27 October 1986 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (86/525/EEC) / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; j; Acidity regulators; E 526; Calcium hydroxide [Cats; Dogs]; Commission Directive of 27 October 1986 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (86/525/EEC) / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; k; 2 – Microorganisms; *Bacillus subtilis* MBS-BS-01; Reg. (EC) 1831/2003 / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; k; 2 – Microorganisms; *Enterococcus faecium* CNCM I-3236 / ATCC 19434; Reg. (EC) 1831/2003 / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; k; 2 – Microorganisms; *Lactobacillus plantarum* DSM 11520; Reg. (EC) 1831/2003 / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 2; a (iii); Other colourants; E 141; Chlorophyll copper complex [Grain-eating ornamental birds; Small rodents]; Reg. (EC) No 358/2005 / Amended by article 3 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 2; a (iii); Other colourants; E 141; Chlorophyll copper complex [Ornamental fish]; Reg. (EC) No 358/2005 / Amended by article 3 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021

- 2; a (iii); Other colourants; E 153; Carbon black [Ornamental fish]; Commission Directive 94/17/EC of 22 April 1994 amending Council Directive 70/524/EEC concerning additives in feedingstuffs; Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 2; a (iii); Other colourants; E 160a; Beta-carotene [Canaries]; Reg. (EC) No 880/2004 / Repealed by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 2; a; Other colourants; E 141; Chlorophyllin Copper Complex as colouring agents authorised for colouring foodstuffs by Community rules (see "Other provisions" in Directive) [All species or categories of animals with the exception of dogs and cats]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 2; a; Other colourants; E 153; Carbon black as colouring agents authorised for colouring foodstuffs by Community rules [All species]; Commission Directive 94/17/EC of 22 April 1994 amending Council Directive 70/524/EEC concerning additives in feedingstuffs / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 2; a; Other colourants; E 172; Iron Oxide Red, Black & Yellow as colouring agents authorised for colouring foodstuffs by Community rules [Horses]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) ; Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- The following additives are withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
 - 2; b; Natural products – botanically defined; *Allium cepa* L.: Onion concentrate
CoE 24
 - 2; b; Natural products – botanically defined; *Allium sativum* L.: Garlic extract (water-based)
 - 2; b; Natural products – botanically defined; *Amyris balsamifera* L.: Amyris oil
CoE 33
 - 2; b; Natural products – botanically defined; *Anacardium occidentale* L.:
CAShew oil
CoE 34
 - 2; b; Natural products – botanically defined; *Anethum graveolens* L.: Dill seed extract
CAS8006-75-5
CoE42
EINECS289-790-8
 - 2; b; Natural products – botanically defined; *Apium graveolens* L.: Celery seed extract
CAS 89997-35-3
FEMA 2270
CoE 52
EINECS 289-668-4

- 2; b; Natural products – botanically defined; *Artemisia absinthium* L.: Wormwood oil
CAS 8008-93-3
FEMA 3116
CoE 61
EINECS 284-503-2
- 2; b; Natural products – botanically defined; *Artemisia annua* L.: Annual mugwort extract (water-based)/Annual mugwort oil
- 2; b; Natural products – botanically defined; *Artemisia pallens* Wall.: Davana oil
CAS 8016-03-3
FEMA 2359
CoE 69
EINECS 295-155-6
- 2; b; Natural products – botanically defined; *Bacopa monnieri* (L.) Pennell: Thyme leaved gratiola tincture
- 2; b; Natural products – botanically defined; *Carum carvi* L. = *Apium carvi* L.: Caraway seed extract/Caraway oleoresin
CAS 8000-42-8
CoE 112
EINECS 288-921-6
- 2; b; Natural products – botanically defined; *Cimicifuga simplex* (Wormsk. ex DC.) Ledeb. = *C. racemosa* (L.) Nutt.: Sarashina shoma extract
- 2; b; Natural products – botanically defined; *Cinnamomum aromaticum* Nees, C.
CASSia Nees ex Blume:
CASSia bark extract
CAS 84961-46-6
FEMA 2257
CoE 131
EINECS 284-635-0
- 2; b; Natural products – botanically defined; *Cinnamomum zeylanicum* Bl., *C. verum* J.S. Presl: Cinnamon bark oleoresin
CAS 84961-46-6
FEMA 2290
CoE 133
EINECS 283-479-0
- 2; b; Natural products – botanically defined; *Citrus aurantium* L.: Neroli bigarade oil
CAS 8016-38-4
FEMA 2771
CoE 136
EINECS 277-143-2/Petitgrain bigarade absolute
CAS 8014-17-3
CoE 136
EINECS 283-881-6
- 2; b; Natural products – botanically defined; *Citrus reticulata* Blanco: Mandarin, Tangerine terpenes
CoE 142
- 2; b; Natural products – botanically defined; *Citrus x paradisi* Macfad.: Grapefruit oil expressed
CAS 8016-20-4
FEMA 2530
CoE 140
EINECS 289-904-6/Grapefruit extract
CoE 140
- 2; b; Natural products – botanically defined; *Glycyrrhiza glabra* L.: Licorice extract (solvent-based)
CAS 97676-23-8
FEMA 2628

- CoE 218
EINECS 272-837-1
- 2; b; Natural products – botanically defined; *Helianthus annuus* L.: Sunflower extract [Cats and dogs]
 - 2; b; Natural products – botanically defined; *Hyssopus officinalis* L. = *H. decumbens* Jord. & Fourr.: Hyssop. Oil
CAS 8006-83-5
FEMA 2591
CoE 235
EINECS 283-266-3 [Cats & Dogs]
 - 2; b; Natural products – botanically defined; *Juniperus communis* L.: Juniper berry extract
CAS 84603-69-0
CoE 249
EINECS 283-268-3
 - 2; b; Natural products – botanically defined; *Laurus nobilis* L.: Laurel leaves extract/Laurel leaves oleoresin
CAS 84603-73-6
FEMA 2613
CoE 255
EINECS 283-272-5
 - 2; b; Natural products – botanically defined; *Lavandula latifolia* Medik.: Spike lavender oil
CoE 256
 - 2; b; Natural products – botanically defined; *Lepidium meyenii* Walp.: Maca extract
 - 2; b; Natural products – botanically defined; *Leptospermum scoparium* J. R. et G. Forst.: Broom teatree oil
 - 2; b; Natural products – botanically defined; *Macleaya cordata* (Willd.) R. Br.: Plume poppy absolute/Plume poppy extract/Plume poppy oil/Plume poppy tincture
 - 2; b; Natural products – botanically defined; *Mallotus philippinensis* (Lam.) Muell. Arg.: Kamala extract
CoE 535
 - 2; b; Natural products – botanically defined; *Malpighia glabra* L.: Acerola extract
 - 2; b; Natural products – botanically defined; *Malus sylvestris* Mill.: Apple concentrate
CoE 386
 - 2; b; Natural products – botanically defined; *Medicago sativa* L.: Alfalfa tincture
CoE 274
 - 2; b; Natural products – botanically defined; *Melissa officinalis* L.: Melissa oil
CoE 280
 - 2; b; Natural products – botanically defined; *Mentha pulegium* L.: Pennyroyal oil
CAS 8013-99-8
FEMA 2839
CoE 283
EINECS 290-061-1
 - 2; b; Natural products – botanically defined; *Myristica fragrans* Houtt.: Mace oil
CAS 8007-12-3
FEMA 2653
CoE 296
EINECS 282-013-3/Nutmeg oleoresin
CAS 8408268-8
CoE 296
EINECS 282-013-3

- 2; b; Natural products – botanically defined; *Myroxylon balsamum* (L.) Harms: Tolu balsam extract (solvent-based)
CAS 9000-64-0
FEMA 3069
CoE 297
EINECS 232-550-4
- 2; b; Natural products – botanically defined; *Myroxylon balsamum* (L.) Harms var. *Pereirae*: Balsam peru extract (solvent-based)
CAS 8007-00-9
FEMA 2117, 2116
CoE 298
EINECS 232-352-8
- 2; b; Natural products – botanically defined; *Ocimum basilicum* L.: Basil oil
CAS 801573-4
FEMA 2119
CoE 308
EINECS 283-900-8
- 2; b; Natural products – botanically defined; *Opopanax chironium* (L.) Koch, *Commiphora erythrea* Engler: Opopanax oil
CAS 8021-36-1
CoE 313
EINECS 232-558-8
- 2; b; Natural products – botanically defined; *Passiflora edulis* Sims. = *P. incarnata* L.: Passionfruit extract (water-based)
CoE 321
- 2; b; Natural products – botanically defined; *Pelargonium asperum* Her. ex Spreng.: Geranium oil
- 2; b; Natural products – botanically defined; *Peumus boldus* Mol.: Boldo extract
CoE 328/Boldo tincture
CoE 328
- 2; b; Natural products – botanically defined; *Pinus pinaster* Soland.: Pine oil
- 2; b; Natural products – botanically defined; *Pimenta racemosa* (Mill.) J.W.Moore: Bay oil
CAS 8006-78-8
CoE 334
- 2; b; Natural products – botanically defined; *Piper methysticum* G. Forst.: Kawa-kawa tincture
- 2; b; Natural products – botanically defined; *Quillaja saponaria* Molina: Quillaia extract (solvent-based)
CoE 391/Quillaia concentrate
- 2; b; Natural products – botanically defined; *Ribes nigrum* L.: Black currant extract
CoE 399
- 2; b; Natural products – botanically defined; *Satureja hortensis* L.: Savory summer oil
CAS 8016-68-0
FEMA 3013
CoE 425
EINECS 283-922-8
- 2; b; Natural products – botanically defined; *Sophora japonica* L.: Pagoda tree oil
- 2; b; Natural products – botanically defined; *Styrax benzoin* Dryand., *S. tonkinensis* (Pierre) Craib ex Hartwich: Benzoin resinoid

CAS 9000-05-9
FEMA 2133
CoE 439
EINECS 232-523-7

- 2; b; Natural products – botanically defined; *Tagetes erecta* L., *T. glandulifera* Schrank., *T. minuta* L. e.a.: Tagetes oil
CAS 8016-84-0
FEMA 3040
CoE 443/494
EINECS 294-862-7
- 2; b; Natural products – botanically defined; *Thea sinensis* L. = *Camellia thea* Link. = *Camellia sinensis* (L.) O. Kuntze: Tea tincture
CoE 451
- 2; b; Natural products – botanically defined; *Uncaria tomentosa* L. = *Ourouparia guianensis* Aubl.: Cat's claw extract
- 2; b; Natural products – botanically defined; *Valeriana officinalis* L.: Valerian root tincture
CoE 473
- 2; b; Natural products – botanically defined; *Vetiveria zizanioides* (L.) Nash.: Vetiver oil
CAS 8016-96-4
CoE 479
EINECS 282-490-8
- 2; b; Natural products – botanically defined; *Vitis vinifera* L.: Cognac oil green
CAS 8016-21-5
FEMA 2331
CoE 485
EINECS 232-403-4/Cognac oil white
CAS 801621-5
FEMA 2332
CoE 485
EINECS 232-403-4
- 2; b; Natural products – botanically defined; *Vitis vinifera* L.: Grape seed extract
CoE 485
- 2; b; Natural products – botanically defined; *Yucca mohavensis* Sarg. = *Y. schidigera* Roehl ex Ortgies: Mojave yucca extract (solvent- based)
CAS 90147-57-2
FEMA 3121
EINECS 290-449-0/Yucca concentrate/Yucca residuals
- 2; b; Natural products – botanically defined; *Zingiber officinale* Rosc.: Ginger extract
CAS 84696-15-1
FEMA 2521
CoE 489
EINECS 283-634-2
- 2; b; Natural products – non plant origin; *Sus scrofa* (extract from defatted porcine pancreatic glands) [Cats and dogs and other carnivorous and omnivorous companion animals such as ferrets]
- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No 1128-08-1/3-Methyl-2-pentylcyclopent-2-en-1-one/Flavis No 07.140
- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No 352195-40-5/Disodium Inosine-5-Mono-phosphate (IMP)
- 3; a; Vitamins and provitamins; Riboflavin or Vitamin B2. All forms with the exception of :
- Riboflavin solid form produced by *Ashbya gossypii* DSM 23096 [3a825i];

- Riboflavin solid form produced by *Bacillus subtilis* DSM 17339 and/or DSM 23984 [3a825ii];
 - Riboflavin 5'-phosphate ester monosodium salt solid form produced after phosphorylation of riboflavin 98 % produced by *Bacillus subtilis* DSM 17339 and/or DSM 23984 [3a826], all three authorised by Commission Implementing Regulation (EU) 2019/901 and
 - Riboflavin (80 %) produced by *Bacillus subtilis* KCCM-10445¹
/ Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 3; b; Trace elements; E 7; Molybdenum – Mo, Sodium molybdate [All animal species with exception of sheep] ; Commission Directive of 28 July 1986 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (86/403/EEC) / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
 - 3; c; 3.2.7.; Mixtures of:
 - (a) L-lysine-monohydrochloride, technically pure and,
 - (b) DL-methionine, technically pure protected with copolymer vinyl-pyridine/styrene [Dairy cows]
 Council Directive of 30 June 1982 concerning certain products used in animal nutrition (82/471/EEC) / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
 - 5; Coccidiostats and other medicinal substances; E 758; Robenidine hydrochloride 66 g/kg (Robenz 66 G) (Holder of the authorisation Zoetis Belgium SA) [Turkeys]; Reg. (EC) No 1800/2004 / Withdrawn by Commission Implementing Regulation (EU) 2021/758 of 7 May 2021 in OJ L 162, 10.05.2021, p. 5
Authorisation already expired
 - 5; Coccidiostats and other medicinal substances; E 770; Maduramicin ammonium alpha 1 g/100g (Cygro 1 %) (Holder of the authorisation Zoetis Belgium SA) [Turkeys]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Reg. (EC) No 2380/2001 of 5 December 2001 / Withdrawn by OJ L 162, 10.05.2021, p. 5
Authorisation already expired

Deletion(s) in annex II (Not considered as feed additives within the scope of Regulation (EC) No 1831/2003 by article 5 of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021)

- 1; Emulsifying and stabilizing agents, thickeners and gelling agents; E 411; Tamarind seed flour
Transitional measures in article 5(2) of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021

¹ This form of riboflavin has been the subject of a denial of authorisation by Commission Implementing Regulation (EU) 2018/1254 of 19 September 2018 concerning the denial of authorisation of riboflavin (80 %) produced by *Bacillus subtilis* KCCM-10445 as a feed additive belonging to the functional group of vitamins, pro-vitamins and chemically well-defined substances having similar effect (OJ L 237, 20.9.2018, p. 5).

- 1; j; Acidity regulators; E 340(i); Potassium dihydrogen orthophosphate [Cats; Dogs]
Transitional measures in article 5(2) of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; j; Acidity regulators; E 340(ii); Dipotassium hydrogen orthophosphate [Cats; Dogs]
Transitional measures in article 5(2) of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; j; Acidity regulators; E 342 (i); Ammonium dihydrogen orthophosphate [Cats; Dogs]
Transitional measures in article 5(2) of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; j; Acidity regulators; E 342 (ii); Diammonium hydrogen orthophosphate [Cats; Dogs]
Transitional measures in article 5(2) of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; j; Acidity regulators; E 450 a (i); Disodium dihydrogen diphosphate [Cats; Dogs]
Transitional measures in article 5(2) of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; j; Acidity regulators; E 450 a (iv); Tetrapotassium diphosphate [Cats; Dogs]
Transitional measures in article 5(2) of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; j; Acidity regulators; E 450 b (ii); Pentapotassium triphosphate [Cats; Dogs]
Transitional measures in article 5(2) of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; j; Acidity regulators; E 500(iii); Sodium sesquicarbonate [Cats; Dogs]
Transitional measures in article 5(2) of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; j; Acidity regulators; E 501(ii); Potassium hydrogen carbonate [Cats; Dogs]
Transitional measures in article 5(2) of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021
- 1; j; Acidity regulators; E 529; Calcium oxide [Cats; Dogs]
Transitional measures in article 5(2) of Commission Implementing Regulation (EU) 2021/758 of 7 May 2021

Edition 03/2021 (291): published on 08 April 2021

Deletion(s)

- 2; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 74-93-1 / Methanethiol / Flavis No. 12.003; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Authorisation renewed
- 2; b; Natural products – botanically defined; *Zingiber officinale* Rosc.: Ginger oleoresin
CAS 84696-15-1
FEMA 2523
CoE 489
EINECS 283-634-2 / Ginger oil
CAS 8007-08-7
FEMA 2522
CoE 489
EINECS 283-634-2 / Ginger tincture
CoE 489 ; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Authorisation renewed
- 3; a; Vitamins, provitamins and chemically well-defined substances having a similar effect; 3a831; Vitamin B6 / pyridoxine hydrochloride; Commission Implementing Regulation (EU) No 515/2011 of 25 May 2011; OJ L 138, 26.05.2011, p. 40
Authorisation renewed
- 4; a; Digestibility enhancers; 4a9; Preparation of endo-1,4-beta-xylanase produced by *Trichoderma reesei* (MUCL 49755) and endo-1,3(4)-beta-glucanase produced by *Trichoderma reesei* (MUCL 49754) (Holder of the authorisation Aveve NV) [Chickens for fattening]; Reg. (EC) No 1091/2009 of 13 November 2009 in OJ L 299, 14.11.2009, p. 6
Replaced by 4a9 [Chickens for fattening]
- 4; b; Gut flora stabilisers; 4b1702; *Saccharomyces cerevisiae* NCYC Sc 47 (Holder of the authorisation Société industrielle Lesaffre) [Calves for rearing]; Reg. (EU) No 883/2010 of 7 October 2010; OJ L 265, 08.10.2010, p. 1
Replaced by 4b1702 [Calves for rearing]
- 4; b; Gut flora stabilisers; 4b1710; *Saccharomyces cerevisiae* MUCL 39885 (Holder of the authorisation Prosol SpA) [Piglets (Weaned)]; Reg. (EU) No 170/2011 of 23 February 2011; OJ L 49, 24.02.2011, p. 8
Authorisation renewed

Edition 01/2021 (289): published on 11 January 2021

Deletions

- 1; k; Silage additives; 1k2101; *Pediococcus pentosaceus* DSM 16244; Reg. (EU) No 514/2010 of 15 June 2010; OJ L 150, 16.06.2010, p. 42
Replaced by 1k2101
- 3; b; Compounds of trace elements; 3b8.12; Selenomethionine produced by *Saccharomyces cerevisiae* CNCM I-3399 (Selenised yeast inactivated) [All species]; Reg. (EC) No 900/2009 of 25 September 2009 in OJ L 256, 29.09.2009, p. 12
Replaced by 3b812

- 3; c; Amino acids, their salts and analogues; 3c3.5.1; L-histidine monohydrochloride monohydrate produced by *Escherichia coli* (ATCC 9637) [Salmonids]; Reg. (EC) 244/2007; OJ L 73, 13.03.2007, p. 6
Replaced by 3c351
- 4; d; Other zootechnical additives; 4d 3; Preparation of protected citric acid, sorbic acid, thymol and vanillin (Holder of the authorisation Vetagro SpA) [Chickens for fattening and reared for laying; Minor avian species for fattening and reared for laying; Weaned Suidae other than *Sus scrofa domesticus*]; Commission Implementing Regulation (EU) No 849/2012 of 19 September 2012 in OJ L 253, 20.09.2012, p. 8
Replaced by 4d3
- 4; d; Other zootechnical additives; 4d 3; Preparation of protected citric acid, sorbic acid, thymol and vanillin (Holder of the authorisation Vetagro SpA) [Piglets (Weaned)]; Reg. (EU) No 1117/2010 of 2 December 2010; OJ L 317, 03.12.2010, p. 3
Replaced by 4d3

Edition 9/2020 (287): published on 26 October 2020

Deletion(s)

- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 104-54-1 / Cinnamyl alcohol / Flavis No. 02.017; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b02017
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1510 of 16 October 2020
- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 122-97-4 / 3-Phenylpropan-1-ol / Flavis No. 02.031; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b02031
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1510 of 16 October 2020
- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 93-53-8 / 2-Phenylpropanal / Flavis No. 05.038; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b05038
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1510 of 16 October 2020
- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 103-95-7 / 3-(p-Cumenyl)-2-methylpropionaldehyde / Flavis No. 05.045; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b05045
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1510 of 16 October 2020

- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 101-39-3 / alpha-Methylcinnamaldehyde / Flavis No. 05.050; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b05050
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1510 of 16 October 2020
- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 103-54-8 / Cinnamyl acetate / Flavis No. 09.018; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b09018
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1510 of 16 October 2020
- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 103-61-7 / Cinnamyl butyrate / Flavis No. 09.053; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b09053
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1510 of 16 October 2020
- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 104-53-0 / 3-Phenylpropanal / Flavis No. 05.080; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b05080
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1510 of 16 October 2020
- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 621-82-9 / Cinnamic acid / Flavis No. 08.022; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b08022
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1510 of 16 October 2020
- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 103-58-2 / 3-Phenylpropyl isobutyrate / Flavis No. 09.428; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b09428
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1510 of 16 October 2020
- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 140-27-2 / Cinnamyl isovalerate / Flavis No. 09.459; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b09459
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1510 of 16 October 2020

- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 103-59-3 / Cinnamyl isobutyrate / Flavis No. 09.470; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b09470
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1510 of 16 October 2020
- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 103-36-6 / Ethyl cinnamate / Flavis No. 09.730; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b09730
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1510 of 16 October 2020
- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 7779-65-9 / Isopentyl cinnamate / Flavis No. 09.742; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b09742
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1510 of 16 October 2020
- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 103-26-4 / Methyl cinnamate / Flavis No. 09.740; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01); OJ C 50, 25.02.2004, p. 1
Replaced by 2b09740
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1510 of 16 October 2020

Edition 8/2020 (286): published on 13 October 2020

Deletion(s)

- 1; b; E 320; Butylated hydroxyanisole (BHA) [All species or categories of animals except dogs and cats]; FIFTEENTH COMMISSION DIRECTIVE of 21 June 1976 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (91/248/EEC) in OJ L 198, 23.07.1976, p. 10
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1399 of 5 October 2020
- 1; b; E 320; Butylated hydroxyanisole (BHA) [Dogs]; Commission Regulation (EC) No 2316/98 of 26 October 1998; OJ L 289, 28.10.1998, p. 4
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1399 of 5 October 2020
- 2; a; Carotenoids and xanthophylls; E 160c; Capsanthin [Poultry with the exception of turkeys]; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1418 of 6 October 2020
- 2; a; Carotenoids and xanthophylls; E 160f; Ethyl ester of beta-apo-8'-carotenoic acid [Poultry]; Commission Directive of 8 July 1985 amending the Annexes to Council Directive 70/524/EEC concerning additives in feedingstuffs (85/429/EEC) in OJ L 245, 12.09.1985, p. 1
Transitional measures in article 3 of Commission Implementing Regulation (EU) 2020/1400 of 5 October 2020

- 2; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 106-24-1 / Geraniol / Flavis No. 02.012; Council Directive 70/524/EEC concerning
additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50,
25.02.2004, p. 1
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1396 of 5
October 2020; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 4602-84-0 / 3,7,11-Trimethyldodeca-2,6,10-trien-1-ol / Flavis No. 02.029; Council
Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in
feedingstuffs (2004/C 50/01) in OJ C 50, 25.02.2004, p. 1
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1396 of 5
October 2020; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 106-25-2 / Nerol / Flavis No. 02.058; Council Directive 70/524/EEC concerning additives
in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50,
25.02.2004, p. 1
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1396 of 5
October 2020; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 5392-40-5 / Citral / Flavis No. 05.020; Council Directive 70/524/EEC concerning
additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50,
25.02.2004, p. 1
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1396 of 5
October 2020; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 105-87-3 / Geranyl acetate / Flavis No. 09.011; Council Directive 70/524/EEC concerning
additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50,
25.02.2004, p. 1
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1396 of 5
October 2020; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 106-29-6 / Geranyl butyrate / Flavis No. 09.048; Council Directive 70/524/EEC
concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
in OJ C 50, 25.02.2004, p. 1
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1396 of 5
October 2020; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 105-86-2 / Geranyl formate / Flavis No. 09.076; Council Directive 70/524/EEC
concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
in OJ C 50, 25.02.2004, p. 1
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1396 of 5
October 2020; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 105-90-8 / Geranyl propionate / Flavis No. 09.128; Council Directive 70/524/EEC
concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
in OJ C 50, 25.02.2004, p. 1
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1396 of 5
October 2020; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 105-91-9 / Neryl propionate / Flavis No. 09.169; Council Directive 70/524/EEC
concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
in OJ C 50, 25.02.2004, p. 1
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1396 of 5
October 2020; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 2142-94-1 / Neryl formate / Flavis No. 09.212; Council Directive 70/524/EEC concerning
additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50,
25.02.2004, p. 1
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1396 of 5
October 2020; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 141-12-8 / Neryl acetate / Flavis No. 09.213; Council Directive 70/524/EEC concerning
additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50,
25.02.2004, p. 1
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1396 of 5
October 2020; b; Natural or corresponding synthetic chemically defined flavourings;
CAS No. 2345-26-8 / Geranyl isobutyrate / Flavis No. 09.431; Council Directive 70/524/EEC
concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)

in OJ C 50, 25.02.2004, p. 1

Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1396 of 5 October 2020; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 2345-24-6 / Neryl isobutyrate / Flavis No. 09.424; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50, 25.02.2004, p. 1

Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1396 of 5 October 2020; b; Natural or corresponding synthetic chemically defined flavourings; CAS No. 1191-16-9 / Prenyl acetate / Flavis No. 09.692; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50, 25.02.2004, p. 1

Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/1396 of 5 October 2020; c; Amino acids, their salts and analogues; 3c3.8.1; L-isoleucine produced by *Escherichia coli* (FERM ABP-10641); Reg. (EU) No 348/2010 of 23 April 2010 in OJ L 104, 24.04.2010, p. 29

Repealed by Commission Implementing Regulation (EU) 2020/1397 of 5 October 2020

- 4; a; Digestibility enhancers; 4a1704; *Saccharomyces cerevisiae* CBS 493.94 (Holder of the authorisation Alltech France) [Horses]; Reg. (EC) No 886/2009 of 25 September 2009 in OJ L 254, 26.09.2009, p. 66

Repealed by Commission Implementing Regulation (EU) 2020/1398 of 5 October 2020

- 4; b; Gut flora stabilisers; 4b1822; *Bacillus amyloliquefaciens* CECT 5940 (Ecobiol and Ecobiol plus) (Holder of the authorisation Evonik Nutrition & Care GmbH) [Chickens for fattening]; Reg. (EC) No 1292/2008 of 18 December 2008 in OJ L 340, 22.12.2008, p. 36

Repealed by Commission Implementing Regulation (EU) 2020/1395 of 5 October 2020

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Deletion(s)

- 2; a (ii); Substances which, when fed to animals, add colours to food of animal origin; 2a(ii) 165; Astaxanthin dimethyldisuccinate [Salmon; Trout]; Reg. (EC) No 393/2008 of 30 April 2008 in OJ L 117, 01.05.2008, p. 20
Replaced by 2a165
- 2; b; Natural products – botanically defined; *Elettaria cardamomum* (L.) Maton: Cardamom oil
CAS 85940-32-5
FEMA 2240
CoE 180
EINECS 288-922-1; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) in OJ C 50, 25.02.2004, p. 1
Replaced by 2b180
- 3; c; Amino acids, their salts and analogues; 3c3.6.1; L-arginine produced by *Corynebacterium glutamicum* (ATCC 13870) [All species]; Reg. (EC) No 1139/2007 of 1 October 2007 in OJ L 256, 02.10.2007, p. 11
Replaced by 3c364
- 4; b; Gut flora stabilisers; 4b1710; *Saccharomyces cerevisiae* MUCL 39885 (Holder of the authorisation Prosol SpA) [Sows]; Reg. (EC) No 896/2009 of 25 September 2009 in OJ L 256, 29.09.2009, p. 6
Repealed by Commission Implementing Regulation (EU) 2020/1094 of 24 July 2020

- 4; b; Gut flora stabilisers; 4b1710; *Saccharomyces cerevisiae* MUCL 39885 (Holder of the authorisation Prosol SpA) [Dairy cows; Horses]; Reg. (EU) No 1119/2010 of 2 December 2010 in OJ L 317, 03.12.2010, p. 9
Repealed by Commission Implementing Regulation (EU) 2020/1096 of 24 July 2020

Edition 2/2020 (280): published on 21 February 2020

Deletion(s)

- 2; a; Other colourants; E 127; Erythrosine as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015; OJ C 50, 25.02.2004, p. 1; Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/228 of 19 February 2020
Replaced by 2a127
- 4; a; Digestibility enhancers; 4a62; Endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) (Holder of the authorisation BASF SE) [Turkeys for fattening]; Reg. (EC) No 1380/2007 of 26 November 2007 / Corrigendum in O.J. L 310 of 28.11.2007 / Amended by Regulation (EC) No 516/2008 in OJ L 309, 27.11.2007, p. 21 / Corrigendum OJ L 310, 28.11.2007, p. 22 / Amended by OJ L151, 11.06.2008, p. 3
Replaced by 4a62
- 4; a; Digestibility enhancers; 4a62; Endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) (Holder of the authorisation BASF SE) [Chickens for fattening, Ducks]; Reg. (EC) No 1096/2009 of 16 November 2009 / Amended by Commission Implementing Regulation (EU) No 1019/2012 of 6 November 2012 / Corrigendum PL in OJ L14 of 18/01/2013 p.24 in OJ L 301, 17.11.2009, p. 3 / Amended by OJ L 307, 07.11.2012, p. 60 / Corrigendum PL OJ L 14 PL, 18.01.2013 p. 24
Replaced by 4a62
- 4; a; Digestibility enhancers; 4a62; Endo-1,4-beta-xylanase produced by *Aspergillus niger* (CBS 109.713) (Holder of the authorisation BASF SE) [Turkeys reared for breeding; Ornamental birds, minor avian species except ducks and laying birds.]; Commission Implementing Regulation (EU) No 843/2012 of 18 September 2012 in OJ L 252, 19.09.2012, p. 23
Replaced by 4a62
- 4; a; Digestibility enhancers; 4a6; 6-Phytase / EC 3.1.3.26 produced by *Aspergillus oryzae* (DSM 17594) (Holder of the authorisation DSM Nutritional Products Ltd., represented by DSM Nutritional Products Sp. Z.o.o.) [Piglets (weaned), Pigs for fattening, Poultry for fattening, Poultry for laying]; Reg. (EC) No 1088/2009 of 12 November 2009 / Corrigendum ES in O.J. L 14 of 20.01.2010 p. 13 in OJ L 297, 13.11.2009, p. 6 / Corrigendum ES OJ L 14 ES, 20.01.2010, p. 13
Authorisation expired

Deletion(s)

- 2; a; Other colourants; E 133; Brilliant Blue FCF as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015; OJ C 50, 25.02.2004, p. 1
Replaced by 2a133
- 2; a (iii); Other colourants; E 102; Tartrazine [Grain-eating ornamental birds; Small rodents; Ornamental fish]; Reg. (EC) No 358/2005 in OJ L 57, 03.03.2005, p. 3
Replaced by 2a102
- 2; a; Other colourants; E 102; Tartrazine as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01) / Azorubine or carmoisine is now 2a122. See Commission Implementing Regulation (EU) No 868/2012 of 24 September 2012 / Quinoline Yellow is now 2a104 see Commission Implementing Regulation (EU) 2015/244 of 16 February 2015; OJ C 50, 25.02.2004, p. 1
Replaced by 2a102
- 2; a; Other colourants; E 124; Ponceau 4 R as colouring agents authorised for colouring foodstuffs by Community rules [Dogs; Cats]; Council Directive 70/524/EEC concerning additives in feedingstuffs – List of authorised additives in feedingstuffs (2004/C 50/01)
Transitional measures in article 2 of Commission Implementing Regulation (EU) 2020/107 of 23 January 2020
Replaced by 2a124
- 4; a; Digestibility enhancers; 4a3; Endo-1,4-beta-mannanase EC 3.2.1.78 (Hemicell) (Holder of the authorisation Elanco GmbH) [Chickens for fattening]; Reg. (EC) No 786/2007 of 4 July 2007 / Amended by Commission Implementing Regulation (EU) No 103/2013 of 4 February 2013 / Amended by Commission Implementing Regulation (EU) 2019/138 in OJ L 175, 05.07.2007, p. 8 / Amended by OJ L 34, 05.02.2013, p. 12 / Amended by OJ L 26, 30.01.2019, p. 1
Replaced by 4a3
- 4; a; Digestibility enhancers; 4a13; Serine protease produced by *Bacillus licheniformis* (DSM 19670) (Holder of the authorisation DSM Nutritional Products Ltd, represented by DSM Nutritional Products Sp.Z.o.o) [chickens for fattening]; REG. (EU) No 8/2010 of 23 December 2009 in OJ L 3, 07.01.2010, p. 7
Authorisation expired
- 4; a; Digestibility enhancers; 4a1600; 3-phytase (Natuphos) produced by *Aspergillus niger* (CBS 101.672) (Holder of the authorisation BASF SE) [Chickens for fattening; Piglets (weaned); Pigs for fattening]; Reg. (EC) 243/2007 / Corrigendum EN OJ L 130 of 22.05.07 / Amended by Reg. (EC) No 516/2008 / Amended by Reg. (EC) No 1269/2009 in OJ L 73, 13.03.2007, p. 4 / Corrigendum EN OJ L 130, 22.05.2007, p. 48 / Amended by OJ L151 11.06.2008, p. 3 / Amended by OJ L 339, 22.12.2009, p. 27
Replaced by 4a1600
- 4; a; Digestibility enhancers; 4a1600; 3-phytase produced by *Aspergillus niger* (CBS 101.672) (Natuphos 5 000 / Natuphos 5 000 G / Natuphos 5 000 L / Natuphos 10 000 G / Natuphos 10 000 L) (Holder of the authorisation BASF SE) [Laying Hens, Turkeys for fattening]; Reg. (EC) No 1142/2007 of 01.10.07 / Amended by Reg. (EC) No 516/2008 in OJ L 256, 02.10.2007, p. 20 / Amended by OJ L151 11.06.2008, p. 3
Replaced by 4a1600

- 4; a; Digestibility enhancers; 4a1600; 3-phytase produced by *Aspergillus niger* (CBS 101.672) (Natuphos 5 000 / Natuphos 5 000 G / Natuphos 5 000 L / Natuphos 10 000 G / Natuphos 10 000 L) (Holder of the authorisation BASF SE) [Ducks]; Reg. (EC) No 165/2008 of 22 February 2008 / Amended by Reg. (EC) No 516/2008 in OJ L 50, 23.02.2008, p. 8 / Amended by OJ L151 11.06.2008, p. 3
Replaced by 4a1600
- 4; a; Digestibility enhancers; 4a1600; 3-phytase produced by *Aspergillus niger* (CBS 101.672) (Natuphos 5 000 / Natuphos 5 000 G / Natuphos 5 000 L / Natuphos 10 000 G / Natuphos 10 000 L) (Holder of the authorisation BASF SE) [Sows]; Reg. (EC) No 505/2008 of 6 June 2008 in OJ L 149, 07.06.2008, p. 33
Replaced by 4a1600
- 4; a; Digestibility enhancers; 4a1600; 3-phytase produced by *Aspergillus niger* (CBS 101.672) (Holder of the authorisation BASF SE) [all minor avian species, other than ducks, and for ornamental birds] ; Reg. (EC) No 327/2010 of 21 April 2010 in OJ L 100, 22.04.2010, p. 3
Replaced by 4a1600
- 4; a; Digestibility enhancers; 4a1640; 6-Phytase / EC 3.1.3.26 produced by *Schizosaccharomyces pombe* (ATCC 5233) Solid form: 5 000 FTU/g; Liquid form: 5 000 FTU/ml (Phyzyme XP 5000G Phyzyme XP 5000L) (Holder of the authorisation Danisco (UK) Ltd, trading as Danisco Animal Nutrition and represented by Genencor International B.V.) [Chickens for fattening; Turkeys for fattening; Laying hens; Piglets (weaned); Ducks for fattening; Pigs for fattening; Sows]; Reg. (EC) No 785/2007 of 4 July 2007 / amended by Commission Implementing Regulation (EU) 2019/221 of 6 February 2019
Replaced by 4a1640
- 4; a; Digestibility enhancers; 4a1640; 6-Phytase / EC 3.1.3.26 produced by *Schizosaccharomyces pombe* (ATCC 5233) Solid coated form: 10 000 FTU/g; Liquid form: 10 000 FTU/ml (Holder of the authorisation Danisco (UK) Ltd, trading as Danisco Animal Nutrition and represented by Genencor International B.V.) [Chickens for fattening; Turkeys for fattening; Laying hens; Ducks for fattening; Piglets (weaned); Pigs for fattening; Sows]; Reg. (EC) No 379/2009 of 8 May 2009 / Corrigendum DE in OJ L168 of 30.06.2009, p. 56 / amended by Commission Implementing Regulation (EU) 2019/221 of 6 February 2019 in OJ L 116, 09.05.2009, p. 6 / Corrigendum DE OJ L 168 version DE p. 56 / amended by OJ L 35, 07.02.2019, p. 28
Replaced by 4a1640
- 4; a; Digestibility enhancers; 4a3; Endo-1,4-beta-mannanase EC 3.2.1.78 (Hemicell) (Holder of the authorisation Elanco GmbH) [Chickens for fattening]; Reg. (EC) No 786/2007 of 4 July 2007 / Amended by Commission Implementing Regulation (EU) No 103/2013 of 4 February 2013 / Amended by Commission Implementing Regulation (EU) 2019/138
Replaced by 4a3
- 4; b; Gut flora stabilisers; 4b1711; *Saccharomyces cerevisiae* CNCM I-1077 (Levucell SC20, Levucell SC10 ME) (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Lambs]; Reg. (EC) No 1293/2008 of 18 December 2008 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 / Amended by Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016 in OJ L 340, 19.12.2008, p. 38 / Amended by OJ L 307, 07.11.2012, p. 56 / Amended by OJ L 342, 16.12.2016, p. 14
Replaced by 4b1711
- 4; b; Gut flora stabilisers; 4b1821; *Bacillus subtilis* DSM 17299 (O35) (Holder of the authorisation Chr. Hansen A/S) [Chickens for fattening]; Reg. (EC) No 1137/2007 of 1 October 2007 / Amended by Reg. (EC) No 203/2009 of 16 March 2009 / Amended by Reg. (EU) No 515/2010 of 15 June 2010 / Amended by Commission Implementing Regulation (EU) No 881/2011 of 2 September 2011 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012
Replaced by 4b1821
- 4; b; Gut flora stabilisers; 4b1841; *Enterococcus faecium* (DSM 7134) (Bonvital) (Holder of the authorisation Lactosan Starterkulturen GmbH & Co KG) [Piglets (weaned); Pigs for fattening]; Reg. (EC) No 538/2007 of 15 May 2007 in OJ L 128, 16.05.2007, p. 16
Replaced by 4b1841

- 4; b; Gut flora stabilisers; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Piglets (weaned)] Reg. (EU) No 1120/2010 of 2 December 2010 in OJ L 317, 03.12.2010, p. 12 / Amended by OJ L 342, 16.12.2016, p. 14
Replaced by 4d1712
- 4; b; Gut flora stabilisers; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Laying hens] Reg. (EU) No 212/2011 of 3 March 2011 / Amended by Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016 in OJ L 59, 04.03.2011, p. 1 / Amended by OJ L 342, 16.12.2016, p. 14
Replaced by 4d1712
- 4; b; Gut flora stabilisers; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M in water for drinking (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Pigs for fattening; Minor porcine species (weaned and for fattening; Minor porcine species (weaned and for fattening)] Commission Implementing Regulation (EU) 2017/2299 of 12 December 2017 / Corrigendum CS 3 July 2019 in OJ L 329, 13.12.2017, p. 33 / Corrigendum CS in OJ L 179 CS, 03.07.2019, p. 27
Replaced by 4d1712
- 4; b; Gut flora stabilisers; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Piglets (weaned) (drinking water); Pigs for fattening (drinking water); Laying hens (drinking water); Chickens for fattening (drinking water)]; Commission Implementing Regulation (EU) No 413/2013 of 6 May 2013 / Amended by Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016 / Amended by Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016 in OJ L 125, 07.05.2013, p. 1 / Amended by OJ L 342, 16.12.2016, p. 14 / Amended by OJ L 33, 13.12.2017, p. 33
Replaced by 4d1712
- 4; d; Other zootechnical additives; 4d1712; *Pediococcus acidilactici* CNCM MA 18/5M (Holder of the authorisation Danstar Ferment AG represented by Lallemand SAS) [Salmonids; Shrimps]; Reg. (EC) No 911/2009 of 29 September 2009 / Amended by Commission Implementing Regulation (EU) No 2016/2260 of 15 December 2016 in OJ L 257, 30.09.2009, p. 10 / Amended by OJ L 342, 16.12.2016, p. 14
Replaced by 4d1712
- 5; Coccidiostats and other medicinal substances; E 758; Robenidine hydrochloride 66 g/kg (Robenz 66 G) (Holder of the authorisation Zoetis Belgium SA) [Chickens for fattening]; Reg. (EC) No 1800/2004 / Amended by Reg. (EC) No 101/2009 of 3 February 2009 / Amended by Reg. (EC) No 214/2009 of 18 March 2009 / Amended by Commission Implementing Regulation (EU) No 532/2011 of 31 May 2011 / Amended by Commission Implementing Regulation (EU) No 118/2012 of 10 February 2012 / Amended by Commission Implementing Regulation (EU) No 1014/2013 of 22 October 2013 / Amended by Commission Implementing Regulation (EU) 2020/148 of 3 February 2020
Replaced by 5a758
- Micro-organisms; E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Dairy cows]; Reg. (EC) No 1811/2005 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 / Amended by article 3 of Commission Implementing Regulation (EU) No 1109/2014 of 21 October 2014 in OJ L 291, 05.11.2005, p. 12 / Amended by OJ L 307, 07.11.2012, p. 56 / Amended by OJ L 301, 21.10.2014, p. 19
Replaced by 4b1702
- Micro-organisms; E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Piglets (Weaned)]; Reg. (EC) No 2148/2004 of 16 December 2004 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 in OJ L 370, 17.12.2004, p. 24 / Amended by OJ L 307, 07.11.2012, p. 56
Replaced by 4b1702

- Micro-organisms; E 1702; *Saccharomyces cerevisiae* NCYC Sc 47 [Sows]; Reg. (EC) No 1288/2004 / Corrigendum CS in OJ L 143 of 3 June 2008 / Amended by Commission Implementing Regulation (EU) No 1018/2012 of 5 November 2012 / Amended by article 2 of Commission Implementing Regulation (EU) No 1109/2014 of 21 October 2014 in OJ L 243, 15.07.2004, p. 10 / Corrigendum CS in OJ L 143, 03.06.2008, p. 55 / Amended by OJ L 307, 07.11.2012, p. 56 / Amended by OJ L 301, 21.10.2014, p. 19
Replaced by 4b1702
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