SCIENTIFIC PANEL ON ADDITIVES AND PRODUCTS OR SUBSTANCES USED IN ANIMAL FEED (FEEDAP)

186th Plenary Meeting

27-28 January 2026

09:00-16:00 / 09:00-16:00

MINUTES – Agreed on 4 February 2026

EUROPEAN FOOD SAFETY AUTHORITY

Location: Teleconference

Attendees:

- **Panel Members:**

  Giovanna Azimonti, Eleftherios Bonos, Henrik Christensen, Mojca Durjava, Birgit Dusemund, Ronette Gehring, Boet Glandorf, Maryline Kouba, Marta López-Alonso, Francesca Marcon, Carlo Nebbia, Alena Pechová, Miguel Prieto, Katerina Theodoridou and Roberto Edoardo Villa (Chair).

- **Hearing Experts[1]:**

  Not Applicable.

- **Applicants participating in a technical hearing[2]:**

  Not applicable.

- **European Commission and/or Member States representatives:**

  DG SANTE: Fabien Schneegans.

- **EFSA:**

  FEEDCO Unit: Montserrat Anguita, Nicole Bozzi Cionci, Rosella Brozzi, Joana P. Firmino, Jaume Galobart, Yolanda García-Cazorla, Eleni Gkimprixi, Orsolya Holczknecht, Matteo Lorenzo Innocenti, Paola Manini, Alberto Navarro-Villa, Jordi Ortuño, Fabiola Pizzo, Jordi Tarrés-Call and Maria Vittoria Vettori.

1. Welcome and apologies for absence

The Chair welcomed the participants. The Chair informed the Panel about the resignation of Ilen Röhe as a member of the FEEDAP Panel.

The Chair also welcomed Nuria Duran as a new member of the FEED Team.

2. Adoption of agenda

The agenda was adopted after the inclusion of the item "*Vaccinium macrocarpon* extract as sensory additive for cats and dogs (EFSA-Q-2023-00585)" and the removal of the item "Canthaxanthin (4d161g) as zootechnical additive for breeder hens (EFSA-Q-2025-00637)".

3. Declarations of interest of Panel members

In accordance with EFSA's Policy on Independence[3] and the Decision of the Executive Director on Competing Interest Management[4], EFSA screened the Annual Declarations of Interest filled out by the Panel members invited to the present meeting. No conflicts of interest related to the issues discussed in this meeting have been identified during the

[1] As defined in Article 34 of the document "Implementing Rule of the Management Board of the European Food Safety Authority laying down the rules on the selection, appointment and operations of the Scientific Committee, Scientific Panels and of their Working Groups": https://www.efsa.europa.eu/sites/default/files/paneloperation.pdf

[2] As defined in the "EFSA's Catalogue of support initiatives during the life cycle of applications for regulated products": https://efsa.onlinelibrary.wiley.com/doi/epdf/10.2903/sp.efsa.2021.EN-6472

[3] https://www.efsa.europa.eu/sites/default/files/corporate_publications/files/independence-policy-2024.pdf

[4] https://www.efsa.europa.eu/sites/default/files/corporate_publications/files/decision-ed-on-competing-interest-management-2024.pdf

screening process, and no interests were declared orally by the Panel members at the beginning of the meeting.

4. Agreement of the minutes of the 185th FEEDAP Panel plenary meeting held on 18-20 November 2025 in Parma

The minutes of the 185th FEEDAP Plenary meeting were agreed by written procedure on 4 December 2025.[5]

5. Report on written procedures

The Panel adopted the following opinions by written procedure:

- Benzoic acid, thymol, eugenol and piperine as zootechnical additive for all poultry (EFSA-Q-2025-00159) adopted on 5 December 2025
- *Lactiplantibacillus plantarum* DSM 34271 as technological additive for all animal species (EFSA-Q-2025-00284) adopted on 19 December 2025
- *Lactococcus lactis* DSM 34262 as technological additive for all animal species (EFSA-Q-2025-00285) adopted on 19 December 2025
- *Bacillus subtilis* DSM 33862 and *Lentilactobacillus buchneri* DSM 12856 as technological additives for all animal species (EFSA-Q-2025-00295) adopted on 19 December 2025

6. Scientific outputs submitted for discussion/adoption

6.1 Coated granulated cobalt (II) carbonate (3b304) as nutritional additive for ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals (EFSA-Q-2022-00745)

This question refers to the modification of the conditions of the authorisation under Article 13 and the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of coated granulated cobalt (II) carbonate as a nutritional additive for ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles and zoo mammals.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product characterisation and safety. The Panel unanimously adopted the opinion.

6.2 L-Lysine sulphate containing non-viable biomass of genetically modified *Corynebacterium glutamicum* as nutritional additive for all animal species (EFSA-Q-2023-00484)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-lysine sulphate containing non-viable biomass of genetically modified *Corynebacterium glutamicum* as a nutritional additive for all animal species.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, safety and efficacy. The Panel unanimously adopted the opinion.

6.3 *Vaccinium macrocarpon* extract as sensory additive for cats and dogs (EFSA-Q-2023-00585)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of *Vaccinium macrocarpon* extract as a sensory additive for cats and dogs.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, safety and efficacy. The Panel identified the need for further

[5] https://www.efsa.europa.eu/sites/default/files/2025-12/feedap251118-20_m_OPEN_0.pdf

information. An updated draft opinion will be presented for possible adoption in a future plenary or by written procedure.

6.4 Interban® (10% narasin and 0.2% diclazuril) as a coccidiostat for poultry (EFSA-Q-2023-00748)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of Interban® (10% Narasin and 0.2% Diclazuril) as a coccidiostat for poultry.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, safety and efficacy. The Panel identified the need for further information. An updated draft opinion will be presented for possible adoption in a future plenary or by written procedure.

6.5 Molybdenum compound as nutritional additive for pollinator insects (EFSA-Q-2024-00007)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of molybdenum compound as a nutritional additive for pollinator insects.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, safety and efficacy. The Panel unanimously adopted the opinion.

6.6 CAPSOZYME SB PLUS (alpha-galactosidase (EC, 3.2.1.22) and endo-1,4-beta-xylanase (IUB 3.2.1.8)) for weaned piglets (EFSA-Q-2024-00262)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of CAPSOZYME SB PLUS (alpha-galactosidase (EC, 3.2.1.22) and endo-1,4-beta-xylanase (IUB 3.2.1.8)) as a zootechnical additive for weaned piglets.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, safety and efficacy. The Panel unanimously adopted the opinion.

6.7 L-Isoleucine as nutritional additive for all animal species (EFSA-Q-2024-00316)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-isoleucine as a nutritional additive for all animal species.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, safety and efficacy. The Panel unanimously adopted the opinion.

6.8 *Enterococcus faecium* DSM 10663/NCIMB 10415 (4b1707) as zootechnical additive for piglets, chickens for fattening, turkeys for fattening, calves for rearing, cats and dogs (EFSA-Q-2024-00476)

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of *Enterococcus faecium* DSM 10663/NCIMB 10415 as a zootechnical additive for piglets, chickens for fattening, turkeys for fattening, calves for rearing, cats and dogs.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product characterisation and safety. The Panel unanimously adopted the opinion.

6.9 Tocopherol extracts from vegetable oils (1b306(i)), tocopherol-rich extracts from vegetable oils (delta-rich) (1b306(ii)) and alpha-Tocopherol (1b307) as technological additives for all animal species (EFSA-Q-2024-00505)

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of tocopherol extracts from vegetable oils, tocopherol-rich extracts from vegetable oils (delta-rich) and alpha-tocopherol as technological additives for all animal species.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product characterisation and safety. The Panel unanimously adopted the opinion.

6.10 Zinc lysinate sulfate as a nutritional additive for all animal species (EFSA-Q-2024-00532)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of zinc lysinate sulfate as a nutritional additive for all animal species.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, safety and efficacy. The Panel unanimously adopted the opinion.

6.11 Endo-1,4-beta-xylanase (4a1606i) produced with *Bacillus subtilis* LMG S-15136 as a zootechnical additive for all Suidae and poultry species (EFSA-Q-2024-00563)

This question refers to the authorisation under Article 4 and the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of endo-1,4-beta-xylanase produced with *Bacillus subtilis* LMG S-15136 as a zootechnical additive for all Suidae and poultry species.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, safety and efficacy. The Panel unanimously adopted the opinion.

6.12 *Bacillus velezensis* ATCC PTA-6737 as zootechnical additives for piglets, pigs for fattening, minor porcine species and all avian species (EFSA-Q-2025-00416)

This question refers to the modification of the conditions of the authorisation under Article 13 of Regulation (EC) No 1831/2003 of *Bacillus velezensis* ATCC PTA-6737 as a zootechnical additive for piglets, pigs for fattening, minor porcine species and all avian species.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product characterisation and safety. The draft opinion will be presented for possible adoption in a future plenary or by written procedure.

6.13 Benzoic acid (CAS 65-85-0) as zootechnical additive for weaned piglets, pigs for fattening, sows and minor porcine species for fattening and reproduction (EFSA-Q-2025-00426)

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of benzoic acid as a zootechnical additive for weaned piglets, pigs for fattening, sows and minor porcine species for fattening and reproduction.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product characterisation and safety. The Panel unanimously adopted the opinion.

6.14 Monteban® G100 (narasin) as coccidiostat additive for chickens for fattening (EFSA-Q-2025-00579)

EFSA was requested to deliver an opinion on the safety of Monteban® G100 (narasin) as a coccidiostat for chickens for fattening.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product safety. The Panel unanimously adopted the opinion.

6.15 Clinacox 0.5% (diclazuril) for chickens fattening and reared for laying (EFSA-Q-2025-00660)

EFSA was requested to deliver an opinion on the safety of Clinacox 0.5% (diclazuril) as a coccidiostat for chickens fattening and reared for laying.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product safety. The Panel unanimously adopted the opinion.

7. Other scientific topics for information/discussion

The Chair of the Working Group on Microbiology presented the Panel the general approach that will be followed to assess a production strain when its origin is not known.

Since a whole genome sequence-based analysis may not allow to conclusively establish whether a strain is genetically modified (GM) or not, in these cases the worst-case scenario should be considered, and the strain under assessment will be assumed to be GM. Consequently, experimental evidence of 'absence' of viable cells and DNA of the production strain should be provided following the provisions of the Guidance on the characterisation of microorganisms in support of the risk assessment of products used in the food chain.[6] This would allow the Panel to conclude on the safety of the product with regards to the production strain.

8. Update on new mandates since the previous meeting

8.1 New applications/questions under Regulation (EC) No 1831/2003

The Commission has forwarded to EFSA the following new applications of feed additives seeking authorisation under Regulation (EC) No 1831/2003 since the last Plenary meeting. These applications were presented to the Panel:

EFSA-Q number	Subject
EFSA-Q-2025-00636	Synthetic sodium aluminosilicate (E554) as zootechnical additive for cows for reproduction
EFSA-Q-2025-00654	L-Isoleucine (200-798-2) produced with *Corynebacterium glutamicum* CGMCC 32505 as nutritional additive for all animal species
EFSA-Q-2025-00691	Scientific opinion on the modification of the terms of authorisation of the preparations of *Lactiplantibacillus plantarum* CNCM I-3235, *Pediococcus acidilactici* CNCM I-3237, *Pediococcus pentosaceus* NCIMB 12455, *Acidipropionibacterium acidipropionici* CNCM I-4661 and *Lentilactobacillus hilgardii* CNCM I-4785 as feed additives for all animal species
EFSA-Q-2025-00695	*Enterococcus lactis* DSM 7134 and *Lacticaseibacillus rhamnosus* DSM 7133 as zootechnical additive for other bovines, ovines, caprines, cervids and camelids for rearing
EFSA-Q-2025-00696	Endo-1,4-beta-xylanase (EC 3.2.1.8) produced with *Trichoderma reesei* CBS 146249 and endo-1,3(4)-beta-glucanase (E.C 3.2.1.6) produced with *Trichoderma reesei* CBS 143974 as zootechnical additive for poultry and swine
EFSA-Q-2025-00703	Formic acid (1k236) and sodium formate (1k237) as technological additive for all animal species
EFSA-Q-2025-00714	L-Lysine monohydrochloride, Liquid L-lysine and L-lysine produced with *Corynebacterium glutamicum* KCCM 80377 as nutritional and sensory additive for all animal species
EFSA-Q-2025-00715	L-Citrulline produced with *Corynebacterium glutamicum* KCCM 80428 as nutritional and sensory additive for all animal species
EFSA-Q-2025-00747	Potassium sorbate as technological additive for all animal species
EFSA-Q-2026-00004	Urea and biuret as nutritional additive for all bovines, ovines, caprines and other ruminants for fattening and reared for reproduction (fattening & dairy) with a functional rumen
EFSA-Q-2026-00005	Xanthan gum produced with *Xanthomonas campestris* CGMCC 31239 as technological additive for all animal species
EFSA-Q-2026-00006	L-Lysine monohydrochloride and L-lysine sulphate produced with *Corynebacterium glutamicum* CGMCC 7.616 as nutritional additive for all animal species

[6] Guidance on the characterisation of microorganisms in support of the risk assessment of products used in the food chain (https://efsa.onlinelibrary.wiley.com/doi/full/10.2903/j.efsa.2025.9705)

EFSA-Q number	Subject
EFSA-Q-2026-00007	L-Tryptophan produced with *Escherichia coli* CGMCC 7.593 as nutritional additive for all animal species
EFSA-Q-2026-00008	L-Threonine produced with *Corynebacterium glutamicum* CGMCC 7.618 as nutritional additive for all animal species
EFSA-Q-2026-00010	L-Tryptophan produced with *Corynebacterium glutamicum* KCCM 80530 as nutritional additive for all animal species
EFSA-Q-2026-00011	L-Tryptophan produced with *Escherichia coli* KCCM 80538 as nutritional additive for all animal species
EFSA-Q-2026-00012	Copper (I) oxide or cuprous oxide (3b412) as nutritional additive for all animal species
EFSA-Q-2026-00013	25-hydroxycholecalciferol produced with *Komagataella phaffii* CCTCC 2025123 as nutritional additive for all animal species
EFSA-Q-2026-00014	L-Histidine produced with *Corynebacterium glutamicum* KCCM 80389 as nutritional additive for all animal species
EFSA-Q-2026-00017	6-phytase (EC 3.1.3.26) produced with *Komagataella phaffii* (*Pichia pastoris*) PTA-127053 as zootechnical additive for all avian species
EFSA-Q-2026-00024	Request for a scientific opinion under Regulation (EC) No 1831/2003 on additives for use in animal nutrition – safety for the target species of 3-nitrooxypropanol (4c1)
EFSA-Q-2026-00028	*Lentilactobacillus diolivorans* DSM 32074 (1k20752) as technological additive for all animal species
EFSA-Q-2026-00030	Update of request for a scientific opinion under Regulation (EC) No 1831/2003 on the following additives for use in animal nutrition: sodium selenite (3b801), coated granulated sodium selenite (3b802), sodium selenate (3b803), selenised yeast (3b810 and 3b 810i), selenised yeast (3b811), selenised yeast (3b812) and zinc L-selenomethionine (3b818) for all animal species – safety of additives containing selenium for the consumers

8.2 Valid applications under Regulation (EC) No 1831/2003

Applications considered valid for the start of the assessment:

EFSA-Q number	Subject	Valid on
EFSA-Q-2025-00368	Astaxanthin diacetate produced with *Yarrowia lipolytica* strain ML21751 as a sensory additive for fish	17/11/2025
EFSA-Q-2025-00489	Fumonisin esterase EC 3.1.1.87 produced with *Komagataella phaffii* NCAIM Y001485 as technological additive for all terrestrial species	18/11/2025
EFSA-Q-2025-00496	Zinc chelate of amino acids hydrate and chromium chelate of DL-methionine as zootechnical feed additive for poultry for fattening	22/12/2025
EFSA-Q-2025-00499	L-Threonine (72-19-5) produced with *E. coli* CGMCC 7.58. as a nutritional additive for all animal species	16/12/2025
EFSA-Q-2025-00500	L-Valine (72-18-4) produced with *Escherichia coli* K-12 (NITE BP-01755) as a nutritional additive for all animal species	04/12/2025
EFSA-Q-2025-00501	*Bacillus subtilis* M5 as zootechnical additive for all aquatic species	20/11/2025

EFSA-Q number	Subject	Valid on
EFSA-Q-2025-00502	*Bacillus velezensis* C8 as zootechnical additive for all aquatic species	20/11/2025
EFSA-Q-2025-00545	Monosodium L-glutamate (6106-04-3) produced with *Corynebacterium glutamicum* KCCM 80528 as nutritional and sensory additive for all animal species	21/01/2026
EFSA-Q-2025-00558	6-phytase (EC 3.1.3.26) produced with *Trichoderma reesei* CBS 143997 as zootechnical additive for all poultry and all porcine species	11/12/2025
EFSA-Q-2025-00574	Ammonium chloride (12125-02-9) as zootechnical additive for sows	10/12/2025
EFSA-Q-2025-00611	Guanidinoacetic acid (352-97-6) as zootechnical additive for chickens reared for laying, piglets (suckling and weaned piglets) and pigs for fattening	30/01/2026
EFSA-Q-2025-00613	Montmorillonite-Illite (1g557) as technological additive for all animal species	23/01/2026
EFSA-Q-2025-00628	Sodium benzoate (1k301) as silage additive for all animal species	15/01/2026
EFSA-Q-2025-00691	Scientific opinion on the modification of the terms of authorisation of the preparations of *Lactiplantibacillus plantarum* CNCM I-3235, *Pediococcus acidilactici* CNCM I-3237, *Pediococcus pentosaceus* NCIMB 12455, *Acidipropionibacterium acidipropionici* CNCM I-4661 and *Lentilactobacillus hilgardii* CNCM I-4785 as feed additives for all animal species	02/12/2025
EFSA-Q-2026-00024	Request for a scientific opinion under Regulation (EC) No 1831/2003 on additives for use in animal nutrition – safety for the target species of 3-nitrooxypropanol (4c1)	12/01/2026
EFSA-Q-2026-00030	Update of request for a scientific opinion under Regulation (EC) No 1831/2003 on the following additives for use in animal nutrition: sodium selenite (3b801), coated granulated sodium selenite (3b802), sodium selenate (3b803), selenised yeast (3b810 and 3b 810i), selenised yeast (3b811), selenised yeast (3b812) and zinc L-selenomethionine (3b818) for all animal species – safety of additives containing selenium for the consumers	15/01/2026

8.3 New questions under Regulation (EC) No 178/2002

EFSA-Q number	Subject
EFSA-Q-2025-00625	*Saccharomyces cerevisiae* NCYC R618 as zootechnical additive for chickens for fattening and all other avian species reared for laying and fattening
EFSA-Q-2025-00637	Canthaxanthin (4d161g) as zootechnical additive for breeder hens
EFSA-Q-2025-00660	Clinacox 0.5% (diclazuril) for chickens fattening and reared for laying
EFSA-Q-2026-00002	*Lactiplantibacillus plantarum* ATCC PTA-6139 for all animal species
EFSA-Q-2026-00003	*Lacticaseibacillus paracasei* ATCC PTA-6135 for all animal species

EFSA-Q number	Subject
EFSA-Q-2026-00016	Preparation of *Macleaya cordata* extract and leaves as zootechnical additive for piglets and other growing Suidae
EFSA-Q-2026-00026	*Saccharomyces cerevisiae* CNCM I-1079 (4d1703) as zootechnical additive for dogs and all Canidae other than dogs
EFSA-Q-2026-00027	Natural Mixtures of talc (steatite) and chlorite (E 560) for all animal species

8.4 New questions under Regulation (EC) No 767/2009

EFSA-Q number	Subject
EFSA-Q-2025-00710	Request for a scientific opinion on an application for the amendment of the list of intended uses of feed for Particular Nutritional Purposes established by Commission Regulation (EU) 2020/354 for the amendment of entry #59 "Long-term supply of grazing animals with trace elements and/or vitamins"
EFSA-Q-2025-00711	Request for a scientific opinion on an application for the amendment of the list of intended uses of feed for Particular Nutritional Purposes established by Commission Regulation (EU) 2020/354 for the amendment of entry #11 "Reduction of oxalate stones formation"

9. Feedback from Scientific Committee/Scientific Panels/EFSA/European Commission/EURL

9.1 Scientific Committee

The Chair updated the Panel members on the outcome of the last Plenary meeting of the Scientific Committee.

9.2 Scientific Panel(s) including their Working Groups

Not discussed

9.3 EFSA

The Panel was given an overview of the main achievements from 2025 and the main targets for 2026.

9.4 European Commission/EURL

The European Union Reference Laboratory (EURL) has recently finished an addendum of the EURL evaluation report for copper chelate of L-lysinate-HCl linked to FAD-2013-0003 (EFSA-Q-2013-00407). The addendum referred to the determination of copper bislysinate complex in the feed additive and of total copper in the feed additive, premixtures and compound feed. The EURL recommended for official control a method based on spectrophotometry for the determination of copper bislysinate complex in the feed additive, the EN ISO 6869 method (atomic absorption spectrometry, AAS) for the determination of total copper in the feed additive, premixtures and compound feed, and the EN 17053 method (inductively coupled plasma-mass spectrometry, ICP-MS) for the determination of total copper in premixtures and compound feed. The Panel verified the addendum to the report.

10. Any other business

Not discussed.

11. Next meeting

The next meeting will be held on 10-12 March 2026 in Parma.