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

188th Plenary Meeting

05-06 May 2026

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

MINUTES – Agreed on 13 May 2026

Location: Teleconference

Attendees:

- **Panel Members:**

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

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

  DG SANTE: Fabien Schneegans, Konstantinos Evangelopoulos.

- **EFSA:**

  FEEDCO Unit: Montserrat Anguita, Rosella Brozzi, Nuria Duran Tenreiro, Joana P. Firmino, Jaume Galobart, Orsolya Holczknecht, Matteo Lorenzo Innocenti, Maria Mountricha, Alberto Navarro-Villa, Jordi Ortuño, Elisa Pettenati, Fabiola Pizzo, Joana Revez, Jordi Tarrés-Call, Piera Valeri and Maria Vittoria Vettori.

1. Welcome and apologies for absence

The Chair welcomed the participants, in particular Giovanna Martelli who has been recently appointed as a new expert of the Panel.

Apologies were received from Ronette Gehring.

The Chair also welcomed Edgar Pérez as a Seconded National Expert in the FEEDCO Unit.

2. Adoption of agenda

The agenda was adopted after the inclusion of the item "Vitamin B2/riboflavin produced with *Saccharomyces cerevisiae* CEN.PK113-7D as nutritional additive for all animal species (EFSA-Q-2022-00846)" and the deletion of "Bentonite (1m558) as technological additive for all animal species (EFSA-2022-00829)".

3. Declarations of interest of Panel members

In accordance with EFSA's Policy on Independence[1] and the Decision of the Executive Director on Competing Interest Management[2], 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 matters discussed in this meeting were identified during the screening process, and no interests were declared orally by the Panel members at the beginning of this meeting.

[1] https://www.efsa.europa.eu/sites/default/files/corporate_publications/files/independence-policy-2024.pdf
[2] https://www.efsa.europa.eu/sites/default/files/2025-11/decision-ed-on-competing-interest-management-25-11.pdf

4. Agreement of the minutes of the 187th FEEDAP Panel plenary meeting held on 10-12 March 2026 in Parma

The minutes of the 187th FEEDAP Plenary meeting were agreed by written procedure on 19 March 2026.

5. Report on written procedures

The Panel adopted the following opinions by written procedure:

- Difructose anhydride III as zootechnical additive for all ruminants (EFSA-Q-2022-00811) adopted on 23 March 2026
- Vitamin B12 (cyanocobalamin) produced with *Ensifer adhaerens* CICC 11008s as a nutritional additive for all animal species (EFSA-Q-2024-00521) adopted on 23 March 2026
- Betaine anhydrous (3a920) as nutritional additive for all animal species (EFSA-Q-2024-00485) adopted on 05 April 2026
- L-Arginine produced with *Corynebacterium glutamicum* CCTCC 20232577 as nutritional additive for all animal species (EFSA-Q-2025-00011) adopted on 10 April 2026
- *Bacillus velezensis* ATCC PTA-6737 as zootechnical additives for piglets, pigs for fattening, minor porcine species and all avian species (EFSA-Q-2025-00416) adopted on 13 April 2026
- 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-2025-00691) adopted on 13 April 2026

6. Scientific outputs submitted for discussion/adoption

6.1 NICACOX® (nicarbazin) for chickens for fattening and chickens reared for laying (EFSA-Q-2021-00259)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of NICACOX® (nicarbazin) as a coccidiostat for chickens for fattening and chickens reared for laying.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, safety and efficacy. The draft opinion will be presented at the next plenary meeting for further discussion and possible adoption.

6.2 Methionine (DL-methionine; hydroxy analogue of methionine; calcium salt of hydroxy analogue of methionine) for all animal species and Methionine (DL-methionine protected with copolymer vinylpyridine/styrene; DL-methionine protected with ethylcellulose; Isopropyl ester of hydroxy analogue of methionine) for ruminants (EFSA-Q-2022-00356)

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of methionine (DL-methionine; hydroxy analogue of methionine; calcium salt of hydroxy analogue of methionine) as a nutritional additive for all animal species and of methionine (DL-methionine protected with copolymer vinylpyridine/styrene; DL-methionine protected with ethylcellulose; Isopropyl ester of hydroxy analogue of methionine) as a nutritional additive for ruminants.

The Panel discussed the draft scientific opinion, and in particular assessed data regarding product characterisation and safety. The draft opinion will be presented at the next plenary meeting for further discussion and possible adoption.

6.3 Vitamin B_2/riboflavin produced with *Saccharomyces cerevisiae* CEN.PK113-7D as nutritional additive for all animal species (EFSA-Q-2022-00846)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of vitamin B_2/riboflavin produced with *Saccharomyces cerevisiae* CEN.PK113-7D as a nutritional additive 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.

6.4 Environmental risk assessment of additives containing trace elements: cobalt, copper, iodine, manganese, molybdenum, selenium and zinc (EFSA-Q-2024-00482)

EFSA was requested to deliver an opinion on the safety for the environment of additives containing trace elements: cobalt, copper, iodine, manganese, molybdenum, selenium and zinc.

An overview of the methodology followed in the assessment, and the current status of the assessment was given to the Panel. The mandate will be divided in two separate opinions, one addressing cobalt, molybdenum and iodine and a second on copper, manganese, selenium and zinc.

6.5 Elancoban® (monensin sodium) for chickens for fattening, chickens reared for laying, turkeys (EFSA-Q-2024-00497)

EFSA was requested to deliver an opinion on the safety of Elancoban® (monensin sodium) as a coccidiostat for chickens for fattening, chickens reared for laying, turkeys.

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

6.6 Preparation of *Lactiplantibacillus plantarum* NCIMB 30238 and *Pediococcus pentosaceus* NCIMB 30237 (1k21008) as technological additive for all animal species (EFSA-Q-2024-00580)

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of *Lactiplantibacillus plantarum* NCIMB 30238 and *Pediococcus pentosaceus* NCIMB 30237 (1k21008) as technological additive 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.

6.7 Endo-1,4-beta-xylanase produced with *Komagataella phaffii* PTA-127053 as zootechnical additive for pigs (EFSA-Q-2024-00716)

EFSA was requested to deliver an opinion on the safety and efficacy of endo-1,4-beta-xylanase produced with *Komagataella phaffii* PTA-127053 as zootechnical additive for pigs

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

6.8 L-Lysine monohydrochloride and liquid L-lysine produced with *Corynebacterium glutamicum* KCCM 80368 or *C. glutamicum* KCCM 80479 as nutritional and sensory additives for all animal species (EFSA-Q-2024-00723)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-lysine monohydrochloride and liquid L-lysine produced with *Corynebacterium glutamicum* KCCM 80368 or *C. glutamicum* KCCM 80479 as nutritional and sensory 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.

6.9 L-Valine produced with *C. glutamicum* CCTCC M 20232578 as nutritional additive for all animal species (EFSA-Q-2025-00157)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-valine produced with *C. glutamicum* CCTCC M 20232578 as 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.

6.10 6-phytase produced with *Komagataella phaffii* DSM 25375 as a zootechnical additive for chickens for fattening, all poultry species, piglets, pigs for fattening, sows and minor porcine species (EFSA-Q-2025-00287)

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of 6-phytase produced with *Komagataella phaffii* DSM 25375 as a zootechnical additive for chickens for fattening, all poultry species, piglets, pigs for fattening, sows and minor porcine species.

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

6.11 Zinc bislysinate (3b613) as nutritional additives for all animal species (EFSA-Q-2025-00421)

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of zinc bislysinate (3b613) as a nutritional additive 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.

6.12 Guidance document on the information needed to support the evaluation of the applications for feed intended for particular nutritional purposes as provided for in Regulation (EC) No 767/2009 (EFSA-Q-2025-00425)

EFSA was requested to develop a guidance document on the information needed to support the evaluation of the applications for feed intended for particular nutritional purposes, as provided for in Regulation (EC) No 767/2009.

The draft guidance was presented. The Panel endorsed the draft guidance which will be subject to public consultation.

7. Other scientific topics for information/discussion

Not discussed.

8. Update on new mandates since the previous meeting

8.1 New applications under Regulation (EC) 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-2026-00139	*Weizmannia faecalis* DSM 32016 (4b1900) as zootechnical additive for all poultry species for fattening, laying, breeding and ornamental birds

EFSA-Q number	Subject
EFSA-Q-2026-00154	Nonanoic acid (2b08029) as sensory additive for all animal species
EFSA-Q-2026-00159	Sodium benzoate, propionic acid, sodium propionate (1a700) as technological additive for all animal species
EFSA-Q-2026-00160	*Bacillus velezensis* PTA-6507, *Bacillus velezensis* NRRL B-50013 and *Bacillus velezensis* NRRL B-50104 (4b1827) as zootechnical additive for chickens for fattening, chickens reared laying, and minor poultry species for fattening and reared for laying
EFSA-Q-2026-00178	L-Isoleucine produced with *Escherichia coli* CGMCC 33723 as nutritional additive for all animal species
EFSA-Q-2026-00179	*Lactiplantibacillus plantarum* NCIMB 42150 (1k20751) as technological additive for all animal species
EFSA-Q-2026-00180	Dry grape extract (2b485) as sensory additive for all animal species except dogs
EFSA-Q-2026-00214	Dry grape extract (2b485) as sensory additive for all animal species except dogs
EFSA-Q-2026-00221	*Bacillus paralicheniformis* DSM5749 and *Bacillus subtilis* DSM5750 (4b1700i) as zootechnical additive for suckling and weaned piglets, pigs for fattening and sows, turkeys for fattening, calves and lambs for rearing and for fattening and other minor ruminant species for rearing and for fattening
EFSA-Q-2026-00225	Lanthanum carbonate octahydrate (4d23) as zootechnical additive for cats and dogs

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-2025-00488	Agar E406 as technological additive for pets and non food producing animals	20/03/2026
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	11/03/2026
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	25/03/2026
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	01/04/2026
EFSA-Q-2026-00007	L-Tryptophan produced with *Escherichia coli* CGMCC 7.593 as nutritional additive for all animal species	09/04/2026
EFSA-Q-2026-00008	L-Threonine produced with *Corynebacterium glutamicum* CGMCC 7.618 as nutritional additive for all animal species	01/04/2026
EFSA-Q-2026-00010	L-Tryptophan produced with *Corynebacterium glutamicum* KCCM 80530 as nutritional additive for all animal species	30/04/2026
EFSA-Q-2026-00011	L-Tryptophan produced with *Escherichia coli* KCCM 80538 as nutritional additive for all animal species	04/05/2026

EFSA-Q number	Subject	Valid on
EFSA-Q-2026-00013	25-hydroxycholecalciferol produced with *Komagataella phaffii* CCTCC 2025123 as nutritional additive for all animal species	16/04/2026
EFSA-Q-2026-00014	L-Histidine produced with *Corynebacterium glutamicum* KCCM 80389 as nutritional additive for all animal species	13/04/2026
EFSA-Q-2026-00028	*Lentilactobacillus diolivorans* DSM 32074 (1k20752) as technological additive for all animal species	10/04/2026
EFSA-Q-2026-00066	Stevia extract (*Stevia rebaudiana*) as sensory additive for all animal species	07/04/2026
EFSA-Q-2026-00070	*Bacillus subtilis* DSM 28343 (4b1825) as zootechnical additive for chickens for fattening	14/04/2026
EFSA-Q-2026-00086	*Lactiplantibacillus plantarum* DSM 29025 (1k20750) as technological additive for all animal species	27/04/2026

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

9.1 Scientific Committee

Not discussed.

9.2 Scientific Panel(s) including their Working Groups

Not discussed.

9.3 EFSA

The Panel was informed on the upcoming info session organised on 24 June 2026 regarding the new guidance on the characterisation of microorganisms.[3] The registration will remain open until 25 May.

9.4 European Commission/EURL

a) The EURL has recently finished an addendum of the EURL evaluation report for Protural (sodium benzoate) for piglets linked to FAD-2009-0005 (EFSA-Q-2009-00446). The addendum referred to the determination of sodium benzoate (as total benzoic acid) in the feed additive, premixtures, feed materials and compound feed. The EURL recommended for official control the EN 17298 method (high-performance liquid chromatography (HPLC) coupled to ultraviolet (UV) detection) for the determination of inclusion rate of sodium benzoate (as total benzoic acid) in the feed additive, premixtures, feed materials and compound feed. The Panel verified the addendum to the report.

b) The European Union Reference Laboratory (EURL) has recently finished an addendum of the EURL evaluation report for Carmine for dogs and cats linked to FAD-2010-0330 (EFSA-Q-2019-00664). The addendum referred to the identification of carmine (as carminic acid) in the feed additive and compound feed. The EURL recommended for official control the high-performance liquid chromatography with ultraviolet-visible detection (HPLC-UV/VIS) for the identification of carmine (as carminic acid) in the compound feed, and reiterates the spectrophotometry of the Food Chemical Codex (FCC)

[3] https://www.efsa.europa.eu/en/events/ready-efsas-new-guidance-build-fit-purpose-feed-additive-dossier-microorganism-submission

"Carmine monograph" for the determination of carmine (as carminic acid) in the feed additive. The Panel verified the addendum to the report.

c) The European Union Reference Laboratory (EURL) has recently finished an addendum of the EURL evaluation report for Botanically defined flavourings group BDG 02 - Apiales and Austrobaileyales linked to FAD-2010-0221 (EFSA-Q-2023-00180). The addendum referred to the determination of trans-anethol in the feed additive (anise tincture). The EURL recommended for official control the high-performance liquid chromatography coupled to photometric detection (HPLC-UV) for the determination of trans-anethol (phytochemical marker) in the feed additive. The Panel verified the addendum to the report.

10. Any other business

Not discussed.

11. Next meeting

The next meeting will be held on 30 June - 2 July 2026, in Parma.