

16-18 September 2025

09:00-16:00 / 09:00-16:00 / 09:00-13:00

MINUTES – Agreed on 24 September 2025

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 Pechová¹, Miguel Prieto, Ilen Röhe, Katerina Theodoridou and Roberto Edoardo Villa (Chair).

○ **European Commission:**

Francesca Moretti, Almudena Rodríguez (DG SANTE)

○ **EFSA:**

FEEDCO Unit: Montserrat Anguita, Nicole Bozzi Cionci, Rosella Brozzi, Joana P. Firmino, Jaume Galobart, Yolanda García-Cazorla, Mary Bridget Gilsenan, Eleni Gkimpixi, Davide Guerra, Orsolya Holczknecht, Matteo Lorenzo Innocenti, Maria Kolona, Paola Manini, Maria Mountricha, Alberto Navarro-Villa, Jordi Ortuño, Fabiola Pizzo, Jordi Tarrés-Call, Tuuli Tauriainen, Piera Valeri and Maria Vittoria Vettori.

1. Welcome and apologies for absence

The Chair welcomed the participants. No apologies were received.

2. Adoption of agenda

The agenda was adopted without changes.

3. Declarations of interest of Panel members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management³, 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 screening process, and no interests were declared orally by the Panel members at the beginning of this meeting.

4. Agreement of the minutes of the 183rd FEEDAP Panel plenary meeting held on 24-26 June 2025 in Parma

The minutes of the 183rd FEEDAP Plenary meeting were agreed by written procedure on 2 July 2025.⁴

¹ Present on 16 and 17 September

² https://www.efsa.europa.eu/sites/default/files/corporate_publications/files/independence-policy-2024.pdf

³ https://www.efsa.europa.eu/sites/default/files/corporate_publications/files/decision-ed-on-competing-interest-management-2024.pdf

⁴ https://www.efsa.europa.eu/sites/default/files/2025-07/feedap250624-26_m.pdf



5. Report on written procedures

The Panel adopted the following opinions by written procedure:

- L-Arginine as a nutritional additive for all animal species ([EFSA-Q-2024-00507](#)) adopted on 21 July 2025
- *Pediococcus pentosaceus* NCIMB 12674 as silage additive ([EFSA-Q-2024-00222](#)) adopted on 31 August 2025

6. Scientific outputs submitted for discussion/adoption

6.1 Cobalt compounds (cobalt(II) acetate tetrahydrate, cobalt(II) carbonate, cobalt(II) carbonate hydroxide (2:3) monohydrate and cobalt(II) sulphate heptahydrate) as nutritional additives for ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles, zoo mammals and camelids ([EFSA-Q-2022-00792](#), [EFSA-Q-2024-00202](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of cobalt compounds (cobalt(II) acetate tetrahydrate, cobalt(II) carbonate, cobalt(II) carbonate hydroxide (2:3) monohydrate and cobalt(II) sulphate heptahydrate) as a nutritional additive for ruminants with a functional rumen, equidae, lagomorphs, rodents, herbivore reptiles, zoo mammals and camelids.

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

6.2 L-Cystine produced with *Escherichia coli* DSM 34232 as sensory additive for all animal species ([EFSA-Q-2023-00436](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-cystine produced with *Escherichia coli* DSM 34232 as a 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.

6.3 L-Cysteine and L-cysteine hydrochlorides as sensory additives for all animal species ([EFSA-Q-2023-00437](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-cysteine and L-cysteine hydrochloride as a 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.

6.4 L-Valine produced from *Corynebacterium glutamicum* KCCM 80365 as nutritional additive for all animal species ([EFSA-Q-2023-00439](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-valine produced from *Corynebacterium glutamicum* KCCM 80365 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.

6.5 Inositol produced by chemical synthesis for fish and crustaceans ([EFSA-Q-2023-00705](#))

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of inositol produced by chemical synthesis as a nutritional additive for fish and crustaceans.



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

6.6 *Saccharomyces cerevisiae* NBRC 0203 and *Lacticaseibacillus rhamnosus* NBRC 3425 as technological additive for all animal species ([EFSA-Q-2023-00715](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of *Saccharomyces cerevisiae* NBRC 0203 and *Lacticaseibacillus rhamnosus* NBRC 3425 as a technological 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.

6.7 Neohesperidine dihydrochalcone for piglets and pigs for fattening, calves, sheep, fish and dogs ([EFSA-Q-2024-00245](#))

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of neohesperidine dihydrochalcone as a sensory additive for piglets and pigs for fattening, calves, sheep, fish 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.

6.8 L-Carnitine (3a910) and L-carnitine L-tartrate (3a911) as nutritional additives for all animal species ([EFSA-Q-2024-00302](#))

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of L-carnitine (3a910) and L-carnitine L-tartrate (3a911) as a zootechnical 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.

6.9 *Enterococcus lactis* NCIMB 11181 (4b1708) for chickens for fattening, chickens reared for laying and other poultry species for fattening or reared for laying and ornamental birds ([EFSA-Q-2024-00317](#))

EFSA was requested to deliver an opinion on the efficacy of *Enterococcus lactis* NCIMB 11181 (4b1708) as a zootechnical additive for chickens for fattening, chickens reared for laying and other poultry species for fattening or reared for laying and ornamental birds.

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

6.10 *Enterococcus lactis* NCIMB 10415 (1k20601) for all animal species ([EFSA-Q-2024-00329](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of *Enterococcus lactis* NCIMB 10415 (1k20601) as a technological 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 Vitamin C in the form of ascorbic acid (3a300), sodium ascorbyl phosphate (3a311) and sodium calcium ascorbyl phosphate (3a312) as nutritional additives and in the form of ascorbic acid (3a300), sodium ascorbate (1b301), calcium ascorbate (1b302) and ascorbyl palmitate (1b304) for all animal species ([EFSA-Q-2024-00488](#))

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of vitamin C in the form of ascorbic acid (3a300), sodium ascorbyl phosphate (3a311) and sodium calcium ascorbyl phosphate (3a312) as nutritional additives and in the



form of ascorbic acid (3a300), sodium ascorbate (1b301), calcium ascorbate (1b302) and ascorbyl palmitate (1b304) 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.

6.12 L-Isoleucine as a nutritional additive for all animal species ([EFSA-Q-2024-00506](#))

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.

6.13 Chromium-DL-methionine as zootechnical additive for all finfish ([EFSA-Q-2024-00533](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of chromium-DL-methionine as a zootechnical additive for all finfish.

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

6.14 L-Threonine produced with *E. coli* CCTCC M 2024477 as nutritional additive for all animal species ([EFSA-Q-2024-00695](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-threonine produced with *E. coli* CCTCC M 2024477 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.

6.15 L-Leucine produced with *Corynebacterium glutamicum* KCCM 80421 as nutritional and sensory additive for all animal species ([EFSA-Q-2024-00696](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-leucine produced with *Corynebacterium glutamicum* KCCM 80421 as a 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.

6.16 L-Tryptophan produced with *Escherichia coli* CCTCC M 2024517 as nutritional additive for all animal species ([EFSA-Q-2025-00009](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-tryptophan produced with *Escherichia coli* CCTCC M 2024517 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.

6.17 6-phytase (EC 3.1.3.26) produced with *Aspergillus oryzae* DSM 33737 as zootechnical additive for poultry, pigs and fish ([EFSA-Q-2025-00143](#))

EFSA was requested to deliver an opinion on the efficacy of 6-phytase (EC 3.1.3.26) produced with *Aspergillus oryzae* DSM 33737 as a zootechnical additive for poultry, pigs and fish.

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



6.18 Chromium propionate for all growing poultry species ([EFSA-Q-2025-00200](#))

EFSA was requested to deliver an opinion on the safety of chromium propionate as a zootechnical additive for all growing poultry species.

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

6.19 Botanically defined flavourings from Botanical Group 18 - Gymnosperms (Coniferales, Ginkgoales) for all animal species and categories: Ginkgo tincture and Ginkgo extract ([EFSA-Q-2025-00215](#))

EFSA was requested to deliver an opinion on the efficacy of ginkgo tincture and ginkgo extract as sensory additives for all animal species and horses, dogs, cats, rabbits and guinea pigs, respectively.

The opinion was discussed in the previous plenary. An updated opinion was presented, and the Panel discussed the draft scientific opinion, and in particular assessed data regarding product efficacy. The Panel unanimously adopted the opinion.

6.20 Botanically defined flavourings from Botanical Group 01 - Lamiales for all animal species and categories: rosemary oil ([EFSA-Q-2025-00402](#))

This question refers to the authorisation under Article 4 and the re-evaluation under Article 10 of Regulation (EC) No 1831/2003 of rosemary oil as a 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.

6.21 Botanically defined flavourings from Botanical Group 01 - Lamiales for all animal species and categories: thyme oil ([EFSA-Q-2025-00403](#))

This question refers to the authorisation under Article 4 and the re-evaluation under Article 10 of Regulation (EC) No 1831/2003 of thyme oil as a 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.

6.22 Botanically defined flavourings from Botanical Group 01 - Lamiales for all animal species and categories: rosemary tinctures ([EFSA-Q-2025-00404](#))

This question refers to the authorisation under Article 4 and the re-evaluation under Article 10 of Regulation (EC) No 1831/2003 of rosemary tinctures as a 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.

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-2025-00401	Zearalenone hydrolase (EC 3.1.1) produced with genetically modified <i>E. coli</i> DSM 34616 as technological additive for all animal species
EFSA-Q-2025-00414	<i>Bacillus velezensis</i> (DSM 15544) as zootechnical additive for ornamental fish
EFSA-Q-2025-00415	Dolomite-Magnesite (No 1g598) as technological additive for dairy cows and other ruminants for dairy production, weaned piglets, pigs for fattening
EFSA-Q-2025-00416	<i>Bacillus velezensis</i> ATCC PTA-6737 as zootechnical additives for piglets, pigs for fattening, minor porcine species and all avian species
EFSA-Q-2025-00421	Zinc Bislysinate (83b613) as nutritional additives for all animal species
EFSA-Q-2025-00426	Benzoic acid (CAS 65-85-0) as zootechnical additive for weaned piglets, pigs for fattening, sows and minor porcine species for fattening
EFSA-Q-2025-00438	Calcium D-pantothenate produced with a genetically modified strain <i>Escherichia coli</i> K-12 (CCTCC M2023146) as nutritional additives for all animal species
EFSA-Q-2025-00444	Zinc chelate of amino acids, hydrate (3b606) as nutritional additive for all animal species
EFSA-Q-2025-00488	Agar as technological additive for pets and non-food producing animals
EFSA-Q-2025-00489	Fumonisin esterase EC 3.1.1.87 produced with <i>Komagataella phaffii</i> NCAIM Y001485 as technological additive for all terrestrial species
EFSA-Q-2025-00495	L-Arginine (EC 200-811-1) produced with a genetically modified strain <i>Corynebacterium glutamicum</i> KCCM 80387 as nutritional and sensory additive for all animal species
EFSA-Q-2025-00496	Zinc chelate of amino acids hydrate and chromium chelate of DL-methionine as zootechnical feed additive for poultry for fattening
EFSA-Q-2025-00499	L-Threonine (72-19-5) produced with <i>E. coli</i> CGMCC 7.58. as a nutritional additive for all animal species
EFSA-Q-2025-00500	L-Valine (72-18-4) produced with <i>Escherichia coli</i> K-12 (NITE BP-01755) as a nutritional additive for all animal species
EFSA-Q-2025-00501	<i>Bacillus subtilis</i> M5 as zootechnical additive for all aquatic species
EFSA-Q-2025-00502	<i>Bacillus velezensis</i> C8 as zootechnical additive for all aquatic species

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-2024-00259	<i>Lactobacillus acidophilus</i> D2/CSL (CECT 4529) for laying hens	06/08/2025
EFSA-Q-2024-00725	<i>Saccharomyces cerevisiae</i> MUCL 39885 (4b-1710) as zootechnical additive for minor ruminants for fattening and dairy production	12/08/2025
EFSA-Q-2025-00041	Endo-1,4-beta-xylanase produced with <i>Trichoderma reesei</i> KCCM 8037 as zootechnical additive for all pigs and all avian species	01/07/2025



EFSA-Q number	Subject	Valid on
EFSA-Q-2025-00262	L-Histidine monohydrochloride monohydrate produced with <i>Escherichia coli</i> CCTCC M 20241089 as a nutritional additive for all animal species	24/06/2025
EFSA-Q-2025-00272	<i>Weizmannia faecalis</i> DSM 32016 (TechnoSpore 50) as a zootechnical additive for calves and other bovines, ovines, caprines, cervids and camelids	01/07/2025
EFSA-Q-2025-00284	<i>Lactiplantibacillus plantarum</i> DSM 34271 as technological additive for all animal species	08/07/2025
EFSA-Q-2025-00285	<i>Lactococcus lactis</i> DSM 34262 as technological additive for all animal species	08/07/2025
EFSA-Q-2025-00287	6-Phytase produced with <i>Komagataella phaffia</i> DSM 25375 as a zootechnical additive for chickens for fattening, all avian species for fattening other than turkeys for fattening and reared for breeding, piglet, pigs for fattening, sows and minor porcine species	10/09/2025
EFSA-Q-2025-00295	<i>Bacillus subtilis</i> DSM 33862 and <i>Lentilactobacillus buchneri</i> DSM 12856 as technological additives for all animal species	06/08/2025
EFSA-Q-2025-00354	L-Lysine monohydrochloride produced with <i>Corynebacterium glutamicum</i> CGMCC 23982 as nutritional additive for all animal species	22/08/2025
EFSA-Q-2025-00401	Zearalenone hydrolase (EC 3.1.1) produced with genetically modified <i>E. coli</i> DSM 34616 as technological additive for all animal species	05/08/2025
EFSA-Q-2025-00414	<i>Bacillus velezensis</i> (DSM 15544) as zootechnical additive for ornamental fish	11/08/2025
EFSA-Q-2025-00415	Dolomite-Magnesite (No 1g598) as technological additive for dairy cows and other ruminants for dairy production, weaned piglets, pigs for fattening	11/08/2025
EFSA-Q-2025-00416	<i>Bacillus velezensis</i> ATCC PTA-6737 as zootechnical additives for piglets, pigs for fattening, minor porcine species and all avian species	10/09/2025
EFSA-Q-2025-00421	Zinc Bislysinate (83b613) as nutritional additives for all animal species	11/09/2025
EFSA-Q-2025-00426	Benzoic acid (CAS 65-85-0) as zootechnical additive for weaned piglets, pigs for fattening, sows and minor porcine species for fattening	11/09/2025

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

EFSA-Q number	Subject
EFSA-Q-2025-00411	Request to provide scientific and technical assistance on existing processes to remove recombinant DNA from fermentation products produced using genetically modified microorganisms
EFSA-Q-2025-00425	Request 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
EFSA-Q-2025-00428	Phenylcapsaicin as zootechnical additive for chickens for fattening



EFSA-Q number	Subject
EFSA-Q-2025-00437	<i>Clostridium butyricum</i> FERM BP-2789 (EC ID 4b1830) as zootechnical additive for chickens for fattening, chickens reared for laying and minor avian species (excluding laying birds)

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

9.1 Scientific Committee

The Chair of the Panel provided an update of the discussions held during the last plenary meeting of the Scientific Committee.

9.2 Scientific Panel(s) including their Working Groups

Not discussed.

9.3 EFSA

a) Guidance on the characterisation of microorganisms in support of the risk assessment of products used in the food chain ([EFSA-Q-2024-00438](#))

The Panel was updated on the status of the work. The draft guidance, modified according to the comments received during the public consultation, will be presented for possible adoption to the Scientific Committee Plenary meeting to be held on 24 and 25 September 2025.

b) Scientific and technical assistance on existing processes to remove recombinant DNA from fermentation products produced with genetically modified microorganisms ([EFSA-Q-2025-00411](#))

The European Commission requested EFSA to provide an overview of the different types of purification processes (in terms of number and nature of the purification steps applied) or other relevant processes applied during the manufacturing of fermentation products to minimize the presence of residual DNA (deliberately and/or indirectly), based on the applications received by EFSA under the different legal frameworks. This overview should cover a representative sample of assessed fermentation products produced with a genetically modified microorganism. The deadline for this mandate is 31 October 2025.

c) PARNUTS

The European Commission requested EFSA 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 deadline for the delivery of the guidance is 31 July 2026.

d) Stakeholder session

An in-person *ad hoc* technical meeting will be held in Brussels on 16 October with feed industry representatives to discuss aspects related to the safety and efficacy assessment of feed additives.

9.4 European Commission/EURL

The European Union Reference Laboratory (EURL) has recently finished an addendum of the EURL evaluation report for sodium benzoate for pigs, poultry, bovines, ovines, goats, rabbits and horses linked to FAD-2010-0375 ([EFSA-Q-2012-00416](#)). The addendum referred to the identification of benzoic acid in the feed additive, premixtures and compound feed. The EURL recommended for official control the EN 17298 method (high performance liquid chromatography with UV detection (HPLC-UV)) for the determination of sodium benzoate (as total benzoic acid) 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 18-20 November 2025 in Parma. A session open to observers will take place on 19 November PM and 20 November AM.