



FEED UNIT

# SCIENTIFIC PANEL ON ADDITIVES AND PRODUCTS OR SUBSTANCES USED IN ANIMAL FEED

## MINUTES OF THE 155<sup>th</sup> FEEDAP PLENARY MEETING

**Webconference, 23-24 June 2021**

**(Agreed by written procedure on 30 June 2021)**

### Participants

#### ■ Panel Members:

Giovanna Azimonti, Vasileios Bampidis, Maria de Lourdes Bastos, Henrik Christensen, Birgit Dusemund, Mojca Fašmon Durjava, Maryline Kouba, Marta López-Alonso, Secundino López Puente, Francesca Marcon, Baltasar Mayo, Alena Pechová, Mariana Petkova, Fernando Ramos, Roberto Edoardo Villa and Ruud Woutersen.

#### ■ Hearing Experts:

Not applicable

#### ■ European Commission

Risto Holma<sup>1</sup>, Marta Ponghellini<sup>2</sup> (DG SANTE)

#### ■ EFSA:

**Feed Unit:** Angelica Amaduzzi, Montserrat Anguita, Rosella Brozzi, Jaume Galobart, Lucilla Gregoretti, Davide Guerra, Matteo Lorenzo Innocenti, Gloria López-Gálvez, Paola Manini, Jordi Ortuño, Elisa Pettenati, Fabiola Pizzo, Daniel Plaza, Anita Radovnikovic, Martina Reitano, Joana Revez, Jordi Tarrés-Call, Frank Verdonck and Maria Vittoria Vettori.

#### ■ Others:

Not applicable

### 1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Yolanda Sanz. The Chair also welcomed the new member of the FEED unit Anita Radovnikovic.

<sup>1</sup> Participated on 23 June for item 5.20

<sup>2</sup> Participated on 23 June for item 5.3



## 2. Adoption of agenda

The agenda was adopted without modifications.

## 3. Declarations of Interest of Panel members

In accordance with EFSA's Policy on Independence<sup>3</sup> and the Decision of the Executive Director on Competing Interest Management<sup>4</sup>, 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 members at the beginning of this meeting.

## 4. Report on written procedures since the 154<sup>th</sup> FEEDAP Plenary meeting

The minutes of the 154<sup>th</sup> FEEDAP Plenary meeting were agreed by written procedure on 12 May 2021<sup>5</sup>.

## 5. Scientific topics for discussion

### 5.1. Bitter orange extract of the whole fruit (BDG 8) for all animal species ([EFSA-Q-2010-01517](#), [EFSA-Q-2021-00144](#))

This question refers to the authorisation under Article 4 and re-evaluation under Article 10 of Regulation (EC) No 1831/2003 of bitter orange extract of the whole fruit as a sensory additive for all animal species.

The draft opinion was discussed focusing on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

### 5.2. Xanthan gum for all animal species ([EFSA-Q-2013-01021](#))

This question refers to the re-evaluation under Article 10 of Regulation (EC) No 1831/2003 of xanthan gum as a technological additive for all animal species.

The draft opinion was discussed focusing on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

### 5.3. Ethoxyquin (6-ethoxy-1,2-dihydro-2,2,4-trimethylquinoline) for all animal species ([EFSA-Q-2016-00267](#), [EFSA-Q-2018-00013](#), [EFSA-Q-2018-00372](#))

EFSA was requested to deliver an opinion on the safety and efficacy of ethoxyquin (6-ethoxy-1,2-dihydro-2,2,4-trimethylquinoline) as a technological additive for all animal species based on the additional information provided by the applicant.

The draft opinion was discussed focusing on the safety of the additive for the consumer and the environment. The Panel considered that further discussion was needed.

---

<sup>3</sup> [Policy on Independence](#)

<sup>4</sup> [Competing Interest Management](#)

<sup>5</sup> [https://www.efsa.europa.eu/sites/default/files/2021-05/154th-plenary-meeting-feedap-panel-minutes\\_0.pdf](https://www.efsa.europa.eu/sites/default/files/2021-05/154th-plenary-meeting-feedap-panel-minutes_0.pdf)



#### 5.4. **Maximum levels of cross-contamination for 24 antimicrobial active substances in non-target feed ([EFSA-Q-2019-00221](#))**

EFSA was requested i) to assess the specific concentrations of antimicrobials resulting from cross-contamination in non-target feed for food-producing animals, below which there would not be an effect on the emergence of and/or selection for resistance to microbial agents relevant for human and animal health and ii) to assess which levels of the antimicrobials have a growth promotion/increase yield effect. The first question is being addressed by the BIOHAZ Panel while the second is being assessed by the FEEDAP Panel.

The assessments related to the following substances were presented: amoxicillin, amprolium, apramycin, colistin, doxycycline, flumequine, neomycin, spectinomycin, oxolinic acid, paromomycin, penicillin V, trimethoprim and tylosin. The assessment concerned the effects of these antimicrobials on growth promotion/increase yield in food-producing animals. The FEEDAP Panel endorsed the nine chapters related to amoxicillin, amprolium, doxycycline, flumequine, spectinomycin, oxolinic acid, paromomycin, penicillin V, and trimethoprim.

A third batch of documents will be presented in the next plenary meeting.

#### 5.5. ***Verbascum thapsus* L. (great mullein tincture) for all animal species ([EFSA-Q-2020-00449](#))**

EFSA was requested to deliver an opinion on the safety of *Verbascum thapsus* L. (great mullein tincture) as a sensory additive for all animal species based on the additional information provided by the applicant.

The draft opinion was discussed focusing on the safety of the additive. The Panel unanimously adopted the opinion.

#### 5.6. **Biosprint® (*Saccharomyces cerevisiae* MUCL 39885) for all pigs and other minor porcine species ([EFSA-Q-2020-00600](#))**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of Biosprint® (*Saccharomyces cerevisiae* MUCL 39885) as a zootechnical additive for all pigs and other minor porcine species.

The draft opinion was discussed focusing on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

#### 5.7. **Biosprint® (*Saccharomyces cerevisiae* MUCL 39885) for cats and dogs ([EFSA-Q-2020-00603](#))**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of Biosprint® (*Saccharomyces cerevisiae* MUCL 39885) as a zootechnical additive for cats and dogs.

The draft opinion was discussed focusing on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

#### 5.8. ***Lactobacillus buchneri* DSM 16774 for all animal species ([EFSA-Q-2020-00654](#))**

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of *Lactobacillus buchneri* DSM 16774 as a technological additive for all animal species.



The draft opinion was discussed focusing on the characterisation and safety of the additive. The Panel unanimously adopted the opinion.

**5.9. *L. rhamnosus* IMI 507023 for all animal species ([EFSA-Q-2020-00692](#))**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of *L. rhamnosus* IMI 507023 as a technological additive for all animal species.

The draft opinion was discussed focusing on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

**5.10. *Pediococcus pentosaceus* IMI 507024 for all animal species ([EFSA-Q-2020-00693](#))**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of *Pediococcus pentosaceus* IMI 507024 as a technological additive for all animal species.

The draft opinion was discussed focusing on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

**5.11. *Pediococcus pentosaceus* IMI 507025 for all animal species ([EFSA-Q-2020-00694](#))**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of *Pediococcus pentosaceus* IMI 507025 as a technological additive for all animal species.

The draft opinion was discussed focusing on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

**5.12. *L. plantarum* IMI 507026 for all animal species ([EFSA-Q-2020-00695](#))**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of *L. plantarum* IMI 507026 as a technological additive for all animal species.

The draft opinion was discussed focusing on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

**5.13. *L. plantarum* IMI 507027 for all animal species ([EFSA-Q-2020-00696](#))**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of *L. plantarum* IMI 507027 as a technological additive for all animal species.

The draft opinion was discussed focusing on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

**5.14. *L. plantarum* IMI 507028 for all species ([EFSA-Q-2020-00697](#))**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of *L. plantarum* IMI 507028 as a technological additive for all animal species.

The draft opinion was discussed focusing on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.



**5.15. L-Lysine sulphate produced by *C. glutamicum* KCCM 80227 (DK257RN) for all animal species ([EFSA-Q-2020-00708](#))**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-lysine sulphate produced by *C. glutamicum* KCCM 80227 (DK257RN) as a nutritional additive for all animal species.

The draft opinion was discussed focusing on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

**5.16. Butylated hydroxyanisole (BHA) for cats ([EFSA-Q-2020-00809](#))**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of butylated hydroxyanisole (BHA) as a technological additive for cats.

The draft opinion was discussed focusing on the safety and efficacy of the additive. The Panel unanimously adopted the opinion.

**5.17. *Pediococcus acidilactici* DSM 16243 for all animal species ([EFSA-Q-2020-00814](#))**

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of *Pediococcus acidilactici* DSM 16243 as a technological additive for all animal species.

The draft opinion was discussed focusing on the characterisation and safety of the additive. The Panel unanimously adopted the opinion.

**5.18. *Pediococcus pentosaceus* DSM 12834 for all animal species ([EFSA-Q-2020-00845](#))**

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of *Pediococcus pentosaceus* DSM 12834 as a technological additive for all animal species.

The draft opinion was discussed focusing on the characterisation and safety of the additive. The Panel unanimously adopted the opinion.

**5.19. Coxar® (nicarbazin) for turkeys for fattening ([EFSA-Q-2021-00103](#))**

EFSA was requested to deliver an opinion on the safety for the environment of Coxar® (nicarbazin) as a coccidiostat for turkeys for fattening based on the additional information provided by the applicant.

The draft opinion was discussed focusing on the safety for the environment of the additive. The Panel unanimously adopted the opinion.

**5.20. Codex maximum residue limits for halquinol ([EFSA-Q-2021-00238](#))**

EFSA was requested to provide scientific technical assistance to the Commission and review the 88<sup>th</sup> JECFA's opinion leading to the proposed MRLs for halquinol, in addition to other relevant scientific information, in order to establish whether there is ground for any food safety concerns about the MRLs recommended by JECFA.

The draft scientific report was discussed. The Panel unanimously endorsed the report.



## 6. New mandates

### 6.1. New Applications under Regulation (EC) 1831/2003 since the previous meeting

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-2021-00153	Hostazym X (endo-1,4-betaxylanase) for chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, turkeys for breeding purposes, pigs for fattening, piglets (weaned), breeding hens, ornamental birds, minor poultry species reared for breeding, minor pig species for fattening, piglets (suckling), minor poultry species for breeding, minor poultry species reared for laying, carp, minor poultry species for fattening, minor poultry species for laying
EFSA-Q-2021-00237	<i>Lactococcus lactis</i> NCIMB 30117 for all animal species
EFSA-Q-2021-00239	SGE ( <i>Solanum glaucophyllum</i> leaf extract) for dairy cows for milk production and other dairy ruminants
EFSA-Q-2021-00240	Correlink ABS 1704 <i>Bacillus velezensis</i> ( <i>Bacillus velezensis</i> NRRL B-67770) for chickens for fattening, turkeys for fattening, chickens reared for laying, minor poultry species and turkeys reared for breeding
EFSA-Q-2021-00249	PP102I ( <i>Bifidobacterium longum</i> CNCM 1-5642) for cats and dogs
EFSA-Q-2021-00252	L-Valine produced by fermentation with <i>E. coli</i> CCTCC M2020321 for all animal species
EFSA-Q-2021-00254	Xylamax (endo-1,4-beta-xylanase (EC 3.2.1.8) produced by <i>Komagaetella phaffii</i> xyl-2 (DSM 33574)) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding and all minor avian species
EFSA-Q-2021-00259	Nicacox (nicarbazine) for poultry, chickens for fattening, chickens reared for laying
EFSA-Q-2021-00280	BetaTrace Zn (Zinc II - betaine complex) for all animal species
EFSA-Q-2021-00308	Huvezym neXo (endo-1,4-beta-xylanase, endo-1,4-beta-glucanase and xyloglucan-specific-endo-beta-1,4-glucanase) for poultry and pigs
EFSA-Q-2021-00309	Plexomin® Se 3000/Plexomin® Se 3000 micro (Selenised yeast <i>Saccharomyces cerevisiae</i> Y03-0 inactivated) for all animal species
EFSA-Q-2021-00310	MAGNI-PHI <i>Quiliaja saponaria</i> and <i>Yucca schidigera</i> for poultry
EFSA-Q-2021-00312	EnzraPro endo-1,4-beta-xylanase (EC 3.2.1.8) produced by <i>Komagaetella phaffii</i> xyl-2 (DSM 33574), <i>Bacillus amyloliquefaciens</i> Ba-BPD1 (DSM 21836) and <i>Bacillus licheniformis</i> PWD-1 (ATCC 53757) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding and minor avian species
EFSA-Q-2021-00313	Quantum Blue 6-phytase for fish



EFSA-Q-Number	Subject
EFSA-Q-2021-00314	ENZY CARBOPLUS®/ENZY CARBOPLUS® L xylanase (EC 3.2.1.8) and beta-glucanase (EC 3.2.1.6) for chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, minor avian species including laying birds, weaned piglets and minor weaned porcine species

## 6.2. Valid applications under Regulation (EC) No 1831/2003 since the previous meeting

Applications considered valid for the start of the assessment:

EFSA-Q-Number	Subject	Valid on
EFSA-Q-2020-00839	<i>Pediococcus acidilactici</i> CNCM I-4622 for all animal species	07/05/2021
EFSA-Q-2020-00846	<i>Lactococcus lactis</i> DSM 11037 for all animal species	15/06/2021
EFSA-Q-2021-00084	IMP (disodium 5'-inosinate) produced by fermentation with <i>Corynebacterium stationis</i> KCCM 80235 for all animal species	30/04/2021
EFSA-Q-2021-00095	Plexomin® L-Mn (manganese lysinate sulfate) for all animal species	18/05/2021
EFSA-Q-2021-00097	PB6 ( <i>Bacillus velezensis</i> (formerly <i>Bacillus subtilis</i> ) ATCC PTA-6737) for turkeys for fattening, turkeys reared for breeding, piglets (weaned), weaned minor porcine species, laying hens, minor poultry species for laying and sows in order to have benefit in piglets	15/06/2021
EFSA-Q-2021-00099	NS AH007 ( <i>Bacillus velezensis</i> (deposited as <i>B. amyloliquefaciens</i> ; NRRL-B-50910), <i>Pediococcus acidilactici</i> (NRRL-B-50959) and <i>Pediococcus acidilactici</i> (NRRL-B-50964)) for chickens for fattening and chickens reared for laying	31/05/2021
EFSA-Q-2021-00127	Preparation of <i>Propionibacterium freudenreichii</i> DSM 33189 and <i>Lactobacillus buchneri</i> DSM 12856	04/06/2021
EFSA-Q-2021-00131	<i>Lactobacillus plantarum</i> DSM 8862 and <i>Lactobacillus plantarum</i> DSM 8865 (BIO-SIL) for pigs, bovines, sheep, goats, horses	07/06/2021
EFSA-Q-2021-00149	Canthaxanthin for chickens for fattening, minor poultry species for fattening, laying poultry and poultry reared for laying, ornamental fish and ornamental birds except ornamental breeder hens, ornamental breeder hens	26/05/2021
EFSA-Q-2021-00150	CAROPHYLL Red 10% (Canthaxanthin) for breeder hens	26/05/2021
EFSA-Q-2021-00154	L-methionine (min. 98.5%) and L-methionine (min. 90%) produced by fermentation with <i>Corynebacterium glutamicum</i> KCCM 80245 and <i>Escherichia coli</i> KCCM 80246 for all animal species	08/06/2021





EFSA-Q-Number	Subject	Valid on
EFSA-Q-2020-00161	Preparation of 3-phytase produced by <i>Komagataella phaffii</i> (CECT 13171) presented in solid (FSF10000) and liquid (FLF1000) forms for chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, minor poultry species, pigs for fattening and minor porcine species for fattening	04/06/2021
EFSA-Q-2021-00169	Calsporin® (preparation of <i>Bacillus velezensis</i> (formerly <i>Bacillus subtilis</i> ) DSM 15544) for piglets (suckling), pigs for fattening, sows in order to have benefit in piglets, ornamental fish, dogs and all avian species	04/05/2021
EFSA-Q-2021-00206	Calsporin® (preparation of <i>Bacillus velezensis</i> (formerly <i>Bacillus subtilis</i> ) DSM 15544) for dairy cows for milk production and other dairy ruminants	12/05/2021
EFSA-Q-2021-00237	<i>Lactococcus lactis</i> NCIMB 30117 for all animal species	26/05/2021
EFSA-Q-2021-00239	SGE ( <i>Solanum glaucophyllum</i> leaf extract) for dairy cows for milk production and other dairy ruminants	28/05/2021
EFSA-Q-2021-00249	PP102I ( <i>Bifidobacterium longum</i> CNCM 1-5642) for cats and dogs	28/05/2021
EFSA-Q-2021-00252	L-Valine produced by fermentation with <i>E. coli</i> CCTCC M2020321 for all animal species	19/05/2021
EFSA-Q-2021-00254	Xylamax (endo-1,4-beta-xylanase (EC 3.2.1.8) produced by <i>Komagaetella phaffii</i> xyl-2 (DSM 33574)) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding and all minor avian species	27/05/2021
EFSA-Q-2021-00280	Zinc (II) - betaine complex for all animal species	04/06/2021

These applications were assigned to the respective working groups, where relevant.

### 6.3. New questions under Regulation (EC) No 178/2002 since the previous meeting

EFSA-Q-Number	Subject
EFSA-Q-2021-00320	Probiotic Lactina® ( <i>Enterococcus faecium</i> NBIMCC 8270, <i>Lactobacillus acidophilus</i> NBIMCC 8242, <i>Lactobacillus helveticus</i> NBIMCC 8269, <i>Lactobacillus delbrueckii</i> ssp. <i>lactis</i> NBIMCC 8250, <i>Lactobacillus delbrueckii</i> ssp. <i>bulgaricus</i> NBIMCC 8244 and <i>Streptococcus thermophilus</i> NBIMCC 8253 for chickens for fattening and rabbits (suckling and weaned)
EFSA-Q-2021-00321	Stenoro® (halofuginone hydrobromide) for chickens for fattening and turkeys

These questions were assigned to the respective working groups, where relevant.





## 7. Feedback from Scientific Committee/Scientific Panels, EFSA or the European Commission

### 7.1. Scientific Committee/Scientific Panels

Not discussed

### 7.2. EFSA

Not discussed

### 7.3. European Commission

Not discussed

## 8. Other scientific topics for information/or discussion

Not discussed

## 9. Any other business

### 9.1. Election of Panel chair and Vice-chairs

Election of the FEEDAP Panel Chair and two Vice-Chairs were carried out according to the Decision of the EFSA Management Board concerning the establishment and operations of the Scientific Committee, Scientific Panels and of their Working Groups.<sup>6</sup>

Vasileios Bampidis was elected as FEEDAP Panel Chair. Giovanna Azimonti and Roberto Villa were elected as FEEDAP Panel Vice-Chairs.

### 9.2. Review of current Working Groups

The Panel confirmed the need for the following existing working groups<sup>7</sup> in order to assist the Panel in undertaking all necessary preparatory tasks in relation to draft scientific outputs falling under its remit:

- Working Group on Animal nutrition with no update of its composition, including chairmanship
- Working Group on Microbiology with no update of its composition, including chairmanship
- Working Group on Toxicology with no update of its composition, including chairmanship
- Working Group on Environment with no update of its composition, including chairmanship
- Working Group on Technological additives with no update of its composition, including chairmanship
- Working Group on Feed flavourings with no update of its composition, including chairmanship

The following working groups were closed:

<sup>6</sup> <https://www.efsa.europa.eu/sites/default/files/2021-02/expertselection.pdf>

<sup>7</sup> <https://www.efsa.europa.eu/en/science/scientific-committee-and-panels/feedap#working-groups>



- Working Group on Nutritional additives
- Working Group on Other additives

### **9.3. Plenary dates for 2021**

The dates of the next plenary meetings have been modified to 29-30 September, 10-11 November and 9 December.