FEED UNIT

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

MINUTES OF THE 154th FEEDAP PLENARY MEETING

Webconference, 5-6 May 2021

(Agreed by written procedure on 12 May 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, Yolanda Sanz, Roberto Edoardo Villa and Ruud Woutersen.

- **Hearing Experts:**

  Not applicable

- **European Commission**

  Marta Ponghellini, Almudena Rodríguez (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, Rita Navarrete, Jordi Ortuño, Elisa Pettenati, Fabiola Pizzo, Daniel Plaza, Viktoriya Rangelova, Martina Reitano, Joana Revez, Jordi Tarrés-Call, Frank Verdonck and Maria Vittoria Vettori.

  FIP Unit: Ana Rincon[1]

- **Others:**

  Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. No apologies were received. The Chair also welcomed the new members of the FEED unit Rita Navarrete, Daniel Plaza, Viktoriya Rangelova and Martina Reitano.

[1] Present on 6 May for item 5.4

European Food Safety Authority
Via Carlo Magno 1A – 43126 Parma, Italy
Tel. +39 0521 036 111
info@efsa.europa.eu | www.efsa.europa.eu

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[2] and the Decision of the Executive Director on Competing Interest Management[3], 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 153rd FEEDAP Plenary meeting

The minutes of the 153rd FEEDAP Plenary meeting were agreed by written procedure on 26 March 2021[4].

5. Scientific topics for discussion

5.1. Litsea berry oil (BDG 6) for all animal species (EFSA-Q-2010-01296, EFSA-Q-2021-00132)

This question refers to the authorisation under Article 4 and re-evaluation under Article 10 of Regulation (EC) No 1831/2003 of litsea berry oil 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. Petitgrain bigarade oil (BDG 8) for all animal species (EFSA-Q-2010-01517, EFSA-Q-2021-00134)

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

5.3. Mandarin oil (BDG 8) for all animal species (EFSA-Q-2010-01517, EFSA-Q-2021-00143)

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

2 Policy on Independence
3 Competing Interest Management
4 https://www.efsa.europa.eu/sites/default/files/2021-03/153rd-plenary-meeting-feedap-panel-minutes.pdf

5.4. Titanium dioxide for all animal species (EFSA-Q-2010-01522)

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

5.5. Ferric (III) ammonium hexacyanoferrate (II) (AFCF) for calves prior to the start of rumination, kids prior to the start of rumination, lambs prior to the start of rumination, pigs (domestic and wild) ruminants (domestic and wild) (EFSA-Q-2013-00681)

This question refers to the re-evaluation under Article 10 of Regulation (EC) No 1831/2003 of ferric (III) ammonium hexacyanoferrate (II) as a technological additive for calves prior to the start of rumination, kids prior to the start of rumination, lambs prior to the start of rumination, pigs (domestic and wild) ruminants (domestic and wild).

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

5.6. Phyllite, natural mixture of minerals of metamorphic origin for all animal species (EFSA-Q-2016-00078)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of Phyllite, natural mixture of minerals of metamorphic origin 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.

5.7. 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: tetracycline, thiamphenicol, florfenicol, lincomycin, sulfonamides, tiamulin, tilmicosin, valnemulin and tylvalosin. 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 the substances aforementioned.

A second batch of assessments will be presented in the next plenary meeting.

5.8. Formi LHS (potassium diformate) for piglets (weaned), pigs for fattening (EFSA-Q-2019-00260)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of potassium diformate as a technological additive for piglets (weaned) and pigs for fattening.

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

5.9. Copper chelate of hydroxyanalogue of methionine (MINTREX® Cu) for all animal species (EFSA-Q-2019-00358)

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of copper chelate of hydroxyanalogue of methionine as a nutritional 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.

5.10. AQ02 (*Lactobacillus plantarum* CECT 8350 and *Lactobacillus reuteri* CECT 8700) for suckling piglets (EFSA-Q-2019-00487)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of AQ02 (*Lactiplantibacillus plantarum* (formerly *Lactobacillus plantarum*) CECT 8350 and *Limosilactobacillus reuteri* (formerly *Lactobacillus reuteri*) CECT 8700) as a zootechnical additive for suckling piglets.

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

5.11. Vitamin B_2 (riboflavin) for all animal species (EFSA-Q-2020-00160)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of Vitamin B_2 (riboflavin) 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.

5.12. GMP (disodium 5'-guanylate) produced by fermentation with *Corynebacterium ammoniagenes* KCCM 10530 and *Escherichia coli* K12 KFCC 11067 (EFSA-Q-2020-00267)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of disodium 5'-guanylate produced by fermentation with *Corynebacterium stationis*[5] KCCM 10530 and *Escherichia coli* K12 KFCC 11067 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.

5.13. Ecobiol, Ecobiol 500, Ecobiol Plus (*Bacillus amyloliquefaciens* CECT 5940) for turkeys for fattening, turkeys reared for breeding, minor poultry species for fattening and reared for laying and ornamental birds (except for reproduction) (EFSA-Q-2020-00452)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of Ecobiol (*Bacillus velezensis* (formerly *Bacillus amyloliquefaciens*) CECT 5940) as a zootechnical additive for turkeys for fattening, turkeys reared for breeding, minor poultry species for fattening and reared for laying and ornamental birds (except for reproduction).

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

[5] Initially notified as *Corynebacterium ammoniagenes* but the data showed that the taxonomic classification should be as *Corynebacterium stationis.*

5.14. Vitamin B_6 (pyridoxine hydrochloride) for all animal species (EFSA-Q-2020-00463)

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of Vitamin B_6 (pyridoxine hydrochloride) 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.

5.15. Taminizer D (dimethyglycine sodium salt) for chickens for fattening (EFSA-Q-2020-00498)

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of Taminizer D (dimethyglycine sodium salt) as a zootechnical additive for chickens for fattening.

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

5.16. *Lactobacillus plantarum* DSM 21762 for all animal species (EFSA-Q-2020-00602)

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of *Lactiplantibacillus plantarum* (formerly *Lactobacillus plantarum*) DSM 21762 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.

5.17. L-Histidine monohydrochloride monohydrate for all animal species (EFSA-Q-2020-00604)

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

5.18. *Lactobacillus plantarum* DSM 12837 for all animal species (EFSA-Q-2020-00605)

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of *Lactiplantibacillus plantarum* (formerly *Lactobacillus plantarum*) DSM 12837 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. *Lactobacillus plantarum* DSM 12836 for all animal species (EFSA-Q-2020-00614)

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of *Lactiplantibacillus plantarum* (formerly *Lactobacillus plantarum*) DSM 12836 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.

5.20. Biacton (*Lactobacillus farciminis* CNCM I-3740) for laying hens, chickens and turkeys for fattening (EFSA-Q-2020-00699)

EFSA was requested to deliver an opinion on the efficacy of Biacton (*Companilactobacillus farciminis,* formerly *Lactobacillus farciminis* CNCM I-3740) as zootechnical additive for laying hens, chickens and turkeys for fattening based on the additional information provided by the applicant.

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

5.21. Acetic acid for all animal species (EFSA-Q-2021-00109)

EFSA was requested to deliver an opinion on a new manufacturing process of acetic acid as 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.

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-2021-00127	*Propionibacterium freudenreichii* DSM 33189 and *Lactobacillus buchneri* DSM 12856 for all animal species
EFSA-Q-2021-00131	BIO-SIL (*Lactobacillus plantarum* DSM 8862 and *Lactobacillus plantarum* DSM 8866) for all pigs, all bovines, all sheep, all goats and horses
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
EFSA-Q-2021-00150	CAROPHYLL Red 10% (Canthaxanthin) for breeder hens
EFSA-Q-2021-00152	OptiPhos (6-phytase) for chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, other avian species other than turkeys for fattening and turkeys reared for breeding, pigs for fattening, sows, piglets (weaned), breeding hens, ornamental birds, turkeys for breeding purposes, minor pig species for fattening or breeding, piglets (suckling)

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-2021-00154	L-methionine (min. 98.5%) and L-methionine (min. 90%) produced by fermentation with *Corynebacterium glutamicum* KCCM 80245 and *Escherichia coli* KCCM 80246 for all animal species
EFSA-Q-2021-00157	Hostazym C (endo-1,4-betaglucanase (E.C.3.2.1.4)) for chickens for fattening, minor poultry species for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding, minor poultry species reared for breeding, minor poultry species reared for laying, ornamental birds, piglets (weaned)
EFSA-Q-2021-00169	Calsporin® (Preparation of *Bacillus velezensis* DSM 15544) for pigs (suckling), pigs for fattening, sows in order to have benefit in piglets, ornamental fish, dogs, all avian species
EFSA-Q-2021-00206	Calsporin® (preparation of *Bacillus velezensis* (formerly *Bacillus subtilis*) DSM 15544) for dairy cows for milk production and other dairy ruminants

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-2020-00690	Probiotic Lactina (Preparation of *Enterococcus faecium* NBIMCC 8270, *Lactobacillus acidophilus* NBIMCC 8242, *Lactobacillus helveticus* NBIMCC 8269, *Lactobacillus delbrueckii* ssp. *lactis* NBIMCC 8250, *Lactobacillus delbrueckii* ssp. *bulgaricus* NBIMCC 8244 and *Streptococcus thermophilus* NBIMCC 8253) for Cats and Dogs	19/03/2021
EFSA-Q-2020-00808	L-Histidine monohydrochloride monohydrate produced by fermentation with *E. coli* NITE SD 00329 for all animal species	23/03/2021
EFSA-Q-2020-00838	Riboflavin 5-phosphate ester monosodium salt (solid form produced after phosphorylation of riboflavin 98%) produced by *Bacillus subtilis* KCCM-10445 for all animal species	31/03/2021
EFSA-Q-2020-00840	AveMix 02 CS (endo-1,4-beta-xylanase, endo-1,3(4)-beta-glucanase and polygalacturonase) for piglets (suckling)	22/03/2021
EFSA-Q-2020-00848	Lanthan One (Lanthanum carbonate octahydrate) for cats	31/03/2021
EFSA-Q-2021-00076	*Lactiplantibacillus plantarum* E-98 NCIMB 30236 for all animal species	19/03/2021

EFSA-Q-Number	Subject	Valid on
EFSA-Q-2021-00152	OptiPhos (6-phytase) for chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, other avian species other than turkeys for fattening and turkeys reared for breeding, pigs for fattening, sows, piglets (weaned), breeding hens, ornamental birds, turkeys for breeding purposes, minor pig species for fattening or breeding and piglets (suckling)	23/04/2021

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-2021-00174	Capsozyme SB Plus (endo-1,4-beta-xylanase and alpha-galactosidase) for chickens for fattening, chickens reared for laying and minor poultry species for fattening and reared for laying
EFSA-Q-2021-00175	Nor-Balm® (*Melissa officinalis* dry extract) for all animal species
EFSA-Q-2021-00232	Benzoic acid for pigs and poultry

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

a) The Panel was informed on the technical meeting with stakeholders that took place on 13 April and which aimed at explaining the current scientific criteria for the assessment of applications for the renewal of authorisations of feed additives. The event was held virtually and involved approximately 60 participants from the private sector, scientific community, EU national

authorities, etc. The meeting was positively perceived by participants. All relevant material, including the recording of the event, is available on EFSA's website.

b) The European Commission's DG SANTE launched the Open Public Consultation on Impact assessment of the feed additives Regulation. The deadline to submit comments is 17 June 2021.

c) The Panel was also informed that on the next plenary meeting (23-24 June) there will be the election of the Chair and Vice-Chairs. Experts were invited to express their interest to run for the election to the Unit in advance of the plenary meeting.