



FEED UNIT

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

MINUTES OF THE 139th FEEDAP PLENARY MEETING

Parma, 2-4 April 2019

(Agreed by written procedure on 9 April 2019)

Participants

■ **Panel Members:**

Giovanna Azimonti, Vasileios Bampidis, Maria de Lourdes Bastos, Henrik Christensen, Birgit Dusemund, Mojca Kos Durjava, Maryline Kouba, Marta López-Alonso, Secundino López Puente¹, Francesca Marcon, Baltasar Mayo, Alena Pechová, Mariana Petkova, Yolanda Sanz², Roberto Villa and Ruud Woutersen.

■ **Hearing Experts:**

Not Applicable

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

Marta Ponghellini (DG SANTE), Christoph von Holst (EURL)³

■ **EFSA:**

Feed Unit: Montserrat Anguita, Rosella Brozzi, Jaume Galobart, Lucilla Gregoretti, Orsolya Holczknecht, Matteo Lorenzo Innocenti, Gloria López-Galvén, Paola Manini, Elisa Pettenati, Fabiola Pizzo, Kostantinos Sofianidis, Jordi Tarrés-Call, Frank Verdonck and Maria Vittoria Vettori.

LRA Unit: Simone Gabbi⁴

■ **Others:**

Not Applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Fernando Ramos.

¹ Participated via webconference

² Participated via webconference

³ Participated on 2 PM and 3 April.

⁴ Participated on 3 April for point 7.2.a



2. Adoption of agenda

The agenda was adopted after the addition of the following items: Mugwort tincture for all animal species (EFSA-Q-2011-00181), Phyzyme® XP 5000 G, Phyzyme® XP 5000 L (6-phytase) for weaned piglets, pigs for fattening, sows for reproduction, chickens for fattening, laying hens, turkeys for fattening and ducks for fattening (EFSA-Q-2016-00559), Phyzyme® XP 10000 TPT/L (6-phytase) for all avian species and swine species (EFSA-Q-2018-00516), Erythrosine for ornamental fish ([EFSA-Q-2019-00048](#)) and *Saccharomyces cerevisiae* NBRC 0203, *Lactobacillus plantarum* NBRC 3070 and *Lactobacillus casei* NBRC 3425 (EM Silage) for all animal species (EFSA-Q-2019-00051).

3. Declarations of Interest of Panel members

In accordance with EFSA's Policy on Independence⁵ and the Decision of the Executive Director on Competing Interest Management⁶, EFSA screened the Annual Declarations of Interest filled out by the Working Group 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. Agreement of the minutes of the 138th FEEDAP Plenary meeting held on 26-28 February 2019, Parma

The minutes of the 138th FEEDAP Plenary meeting were agreed by written procedure on 04 March 2019⁷.

5. Scientific topic(s) for discussion

5.1. ***Macleaya cordata* extract (Sangrovit®) for all animal species ([EFSA-Q-2010-01066](#))**

This question refers to the re-evaluation under Article 10 of Regulation (EC) No 1831/2003 of *Macleaya cordata* extract as a sensory additive.

The draft opinion was discussed. The Panel identified some issues which required further discussion and the opinion will be tabled in the next plenary meeting.

5.2. **Mugwort tincture for all animal species ([EFSA-Q-2011-00181](#))**

This question refers to the re-evaluation under Article 10 of Regulation (EC) No 1831/2003 of mugwort tincture as a sensory additive for all avian and swine species.

The draft opinion was discussed focusing mainly on the characterisation of the additive and its safety and efficacy. The opinion will be adopted once the report from the European Union Reference Laboratory is received.

⁵ [Policy on Independence](#)

⁶ [Competing Interest Management](#)

⁷ <http://www.efsa.europa.eu/en/events/event/190226-0>



5.3. **Lutein for poultry ([EFSA-Q-2012-00535](#))**

This question refers to the re-evaluation under Article 10 of Regulation (EC) No 1831/2003 of Lutein as sensory additive for poultry.

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

5.4. **PHYZYME® XP 5000 G, PHYZYME® XP 5000 L (6-phytase) for weaned piglets, pigs for fattening, sows for reproduction, chickens for fattening, laying hens, turkeys for fattening and ducks for fattening ([EFSA-Q-2016-00559](#))**

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of PHYZYME® XP 5000 G/L (6-phytase) as a zootechnical additive for pigs and poultry.

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

5.5. **GalliPro® (*Bacillus subtilis* DSM 17299) for chickens for fattening ([EFSA-Q-2016-00668](#))**

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of GalliPro® (*Bacillus subtilis* DSM 17299) as a zootechnical additive for chickens for fattening.

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

5.6. **Biomin® DC-C (preparation of oregano oil, caraway oil, carvacrol, methyl salicylate and L-menthol) for piglets (weaned) ([EFSA-Q-2017-00479](#))**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of Biomin® DC-C (preparation of oregano oil, caraway oil, carvacrol, methyl salicylate and L-menthol) as a zootechnical additive for piglets (weaned).

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

5.7. **L-Tryptophan produced by fermentation with *Escherichia coli* K12 KCCM 80135 for all animal species ([EFSA-Q-2017-00542](#))**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-Tryptophan produced by fermentation with *Escherichia coli* KCCM 80135 as a nutritional additive for all animal species.

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

5.8. **L-Tryptophan produced by fermentation with *Escherichia coli* K12 KCCM 80152 for all animal species ([EFSA-Q-2017-00693](#))**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-Tryptophan produced by fermentation with *Escherichia coli* KCCM 80152 as a nutritional additive for all animal species.



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

5.9. L-Lysine monohydrochloride and concentrated liquid lysine, produced by fermentation with *Corynebacterium glutamicum* KCCM 10227 for all animal species ([EFSA-Q-2018-00442](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-Lysine monohydrochloride and concentrated liquid lysine, produced by fermentation with *Corynebacterium glutamicum* KCCM 10227 as nutritional additives for all animal species.

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

5.10. APSA PHYTAFEED 20000 GR/L (-6-phytase) for chickens for fattening, chickens reared for laying and minor poultry species ([EFSA-Q-2018-00478](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of APSA PHYTAFEED 20000 GR/L (6-phytase) as a zootechnical additive for chickens for fattening, chickens reared for laying and minor poultry species.

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

5.11. L-Leucine produced using strain NITE BP-02351 for all animal species ([EFSA-Q-2018-00548](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-Leucine produced using *E. coli* NITE BP-02351 as a nutritional and sensory additive for all animal species.

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

5.12. L-Arginine with *Corynebacterium glutamicum* KCCM 80182 for all animal species ([EFSA-Q-2018-00612](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-Arginine with *Corynebacterium glutamicum* KCCM 80182 as a nutritional and sensory additive for all animal species.

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

5.13. Levucell SB (*Saccharomyces cerevisiae* CNCM I-1079) for turkeys for fattening ([EFSA-Q-2018-00631](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of Levucell SB (*Saccharomyces cerevisiae* CNCM I-1079) as a zootechnical additive for turkeys for fattening.

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



5.14. Bactocell (*Pediococcus acidilactici* CNCM MA 18/5M) for all fish (including ornamental fish) and all crustaceans (including ornamental crustaceans) ([EFSA-Q-2018-00632](#))

This question refers to the renewal of the authorisation under Article 14 and authorisation under Article 4 of Regulation (EC) No 1831/2003 of Bactocell (*Pediococcus acidilactici* CNCM MA 18/5M) as a zootechnical additive for all fish and all crustaceans.

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

5.15. Bactocell (*Pediococcus acidilactici* CNCM MA 18/5M) for all birds/avian species and categories and all growing pig/suidae species and categories ([EFSA-Q-2018-00641](#))

This question refers to the renewal of the authorisation under Article 14 and authorisation under Article 4 of Regulation (EC) No 1831/2003 of Bactocell (*Pediococcus acidilactici* CNCM MA 18/5M) as zootechnical additive for all avian species and all growing pig species.

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

5.16. Muramidase produced by *Trichoderma reesei* DSM 32338 for turkeys for fattening, turkeys reared for breeding, chickens reared for breeding and other poultry species reared for breeding ([EFSA-Q-2018-00952](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of muramidase produced by *Trichoderma reesei* DSM 32338 as zootechnical additive for turkeys for fattening, turkeys reared for breeding, chickens reared for breeding and other poultry species reared for breeding.

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

5.17. Phyzyme® XP 10000 TPT/L (6-phytase) for all avian species and swine species ([EFSA-Q-2018-00516](#))

This question refers to the renewal of the authorisation under Article 14 and the authorisation of new uses under Article 4 of Regulation (EC) No 1831/2003 of PHYZYME® XP 10000 TPT/L (6-phytase) as a zootechnical additive for all avian and swine species.

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

5.18. *Saccharomyces cerevisiae* NBRC 0203, *Lactobacillus plantarum* NBRC 3070 and *Lactobacillus casei* NBRC 3425 (EM Silage) for all animal species ([EFSA-Q-2019-00051](#))

EFSA was requested to deliver an opinion on the characterisation and efficacy of the product *Saccharomyces cerevisiae* NBRC 0203, *Lactobacillus plantarum* NBRC 3070 and *Lactobacillus casei* NBRC 3425 when used as a technological additive for all animal species based on the additional information submitted by the applicant.

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



5.19. Erythrosine for ornamental fish ([EFSA-Q-2019-00048](#))

EFSA was requested to deliver an opinion on the safety of erythrosine for ornamental fish based on the additional information submitted by the applicant.

The draft opinion was discussed, focusing mainly on the safety of the additive for the target species. 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-2019-00182 | E463 Hydroxypropyl cellulose for all animal species |
| EFSA-Q-2019-00173 | E460 Microcrystalline cellulose for all animal species |
| EFSA-Q-2019-00183 | E461 Methyl cellulose for all animal species |
| EFSA-Q-2019-00179 | E466 Carboxymethyl cellulose for all animal species |
| EFSA-Q-2019-00181 | E464 Hydroxypropyl methyl cellulose for all animal species |
| EFSA-Q-2019-00104 | 25-hydroxycholecalciferol for pigs and poultry |
| EFSA-Q-2019-00180 | <i>Lactobacillus buchneri</i> DSM 29026 for all animal species |
| EFSA-Q-2019-00155 | Nutrase P (6-phytase) for chickens for fattening, other poultry for fattening, reared for laying and ornamental birds |
| EFSA-Q-2019-00112 | Formi LHS (potassium diformate) for sows for reproduction |
| EFSA-Q-2019-00117 | GalliPro® Fit (<i>Bacillus subtilis</i> DSM 32324, <i>Bacillus subtilis</i> DSM 32325 and <i>Bacillus amyloliquefaciens</i> DSM 25840) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding and minor poultry species |
| EFSA-Q-2019-00156 | Ronozyme® ProAct (serine protease EC 3.4.21. produced by <i>Bacillus licheniformis</i> DSM 19670) for chickens for fattening |
| EFSA-Q-2019-00157 | AviPlus® (preparation of sorbic acid, citric acid, thymol and vanillin) for suckling piglets |
| EFSA-Q-2019-00154 | AviPlus® (preparation of sorbic acid, citric acid, thymol and vanillin) for turkeys for fattening and turkeys reared for breeding |
| EFSA-Q-2019-00195 | L-Lysine monohydrochloride/Concentrated liquid L-Lysine produced by fermentation with <i>Corynebacterium casei</i> KCCM80190 for all animal species. |
| EFSA-Q-2019-00194 | L-lysine sulphate produced by fermentation with <i>Corynebacterium glutamicum</i> KFCC 11043 for all animal species |
| EFSA-Q-2019-00188 | APSA PHYTAFEED® 20,000 GR, APSA PHYTAFEED® 20,000 L (6-phytase) for turkeys for fattening, turkey reared for breeding and minor poultry species |



| | |
|-------------------|--|
| EFSA-Q-2019-00192 | APSA PHYTAFEED® 20,000 GR, APSA PHYTAFEED® 20,000 L (6-phytase) for suckling piglets, weaned piglets and other minor growing 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-2018-00999 | Panavital feed (D-glyceric acid) for broiler chickens | 15/03/2019 |
| EFSA-Q-2018-00908 | Selenium enriched yeast (<i>Saccharomyces cerevisiae</i> CNCM I-3399) for all animal species | 15/02/2019 |
| EFSA-Q-2019-00097 | Bergazym® P 100 (endo-1,4-beta-xylanase) for other birds for fattening, ornamental birds and other growing suidae | 27/03/2019 |
| EFSA-Q-2019-00059 | Copper chelate of ethylenediamine (CuEDA) for all animal species | 15/03/2019 |
| EFSA-Q-2019-00037 | MSG (monosodium L-glutamate) produced by fermentation with <i>Corynebacterium glutamicum</i> KCCM 80188 for all animal species | 01/03/2019 |
| EFSA-Q-2019-00041 | L-Cysteine hydrochloride monohydrate by fermentation with <i>Escherichia coli</i> KCCM 80109 and <i>Escherichia coli</i> KCCM 80197 for all animal species | 04/03/2019 |
| EFSA-Q-2019-00042 | Natuphos® E (6-phytase) for laying hens, minor poultry and other avian species for laying | 01/03/2019 |
| EFSA-Q-2019-00040 | IMP (disodium 5'-inosinate) produced by fermentation with <i>Corynebacterium ammoniagenes</i> KCCM 80161 for all animal species | 01/03/2019 |
| EFSA-Q-2019-00036 | Dry grape extract 60-20 for cats and dogs | 01/03/2019 |

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

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

7.1. Scientific Committee/Scientific Panels

Not discussed

7.2. EFSA

- The Panel was informed on the progress made in the last years with regards the implementation of the [EFSA's Independence policy](#) and the [Competing interest management](#).

7.3. European Commission

Not discussed



8. Other scientific topics for information/or discussion

- a) The Panel was given a presentation on the Scientific Committee's Guidance on harmonised methodologies for human health, animal health and ecological risk assessment of combined exposure to multiple chemicals, with special emphasis on the parts which are more relevant for the work of the Panel.
- b) The Panel was informed on the mandate received from the European Commission regarding specific maximum levels of cross-contamination for 24 antimicrobial active substances in non-target feed. A working group will be established by the BIOCONTAM unit including also experts to cover the term of reference dealing with the assessment of levels of the antimicrobials which may have a growth promotion/increase yield effect.

9. Any other business

Not discussed