



FEED UNIT

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

## MINUTES OF THE 42<sup>nd</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 8 December 2020**

**(Agreed on 8 December 2020)**

### Participants

- Working Group Members:  
Henrik Christensen, Pier Sandro Cocconcelli, Lieve Herman, Baltasar Mayo, Miguel Prieto Maradona and Maria Saarela.
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
FEED Unit: Montserrat Anguita, Rosella Brozzi, Yolanda García Cazorla and Elisa Pettenati.
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants. No apologies were received.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The Working Group continued the discussion on the application on L-valine for all animal species ([EFSA-Q-2020-00375](#)) and finalised the relevant sections of the draft opinion.
- 4.2.** The Working Group continued the discussion on the application Enviva<sup>®</sup> PRO 202 GT (*Bacillus amyloliquefaciens* PTA-6507, *Bacillus amyloliquefaciens* NRRL B-50013 and *Bacillus amyloliquefaciens* NRRL B-50104) for turkeys for fattening ([EFSA-Q-2019-00457](#)) and decided to inform the applicant on issues that require clarification.
- 4.3.** The Working Group continued the discussion on the application Bonvital (*Enterococcus faecium* DSM 7134) for chickens for fattening ([EFSA-Q-2019-00741](#)) and finalised the relevant sections of the draft opinion.
- 4.4.** The Working Group discussed the application on BIO-THREE<sup>®</sup> (*Bacillus subtilis* TO-A (BS), *Enterococcus faecium* T-110 (EF), *Clostridium butyricum* TO-A (CB)) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding and minor poultry species ([EFSA-Q-2020-00556](#)) and decided that further discussion is needed.
- 4.5.** The Working Group discussed the application on Aextra<sup>®</sup> XAP 104 TPT (endo-1,4-beta-xylanase, alpha-amylase and protease) for chickens for fattening, laying hens and all minor poultry species ([EFSA-Q-2020-00620](#)) and decided to inform the applicant on issues that require clarification.
- 4.6.** The Working Group continued the discussion on the application Vitamin B2 (Riboflavin produced by *Ermothecium ashbyii* CCTCCM 2019833) ([EFSA-Q-2020-00323](#)) and finalised the relevant sections of the draft opinion.

## 5. Any Other Business

Not Applicable

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



## 6. Next meeting

20 January 2021.

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

## MINUTES OF THE 41<sup>st</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 24 November 2020**

**(Agreed on 24 November 2020)**

### Participants

■ Working Group Members:

Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Baltasar Mayo, Miguel Prieto Maradona, Maria Saarela and Yolanda Sanz.

■ Hearing Experts<sup>1</sup>:

Not Applicable

■ European Commission and/or Member States representatives:

Not Applicable

■ EFSA:

FEED Unit: Montserrat Anguita, Rosella Brozzi, Jaume Galobart, Yolanda García Cazorla, Elisa Pettenati and Joana Revez.

■ Others:

Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants. No apologies were received.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted without changes. Agenda item 4.5. was added.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The Working Group continued the discussion on the application Bafasal® (preparation four of bacteriophages infecting *Salmonella enterica* ser. Gallinarum 1) for all avian species ([EFSA-Q-2017-00724](#)) and finalised the relevant sections of the draft opinion.
- 4.2. The Working Group continued the discussion on the application *Lactobacillus animalis* ATCC PTA-6750 for all animal species ([EFSA-Q-2016-00713](#)) and finalised the relevant sections of the draft opinion.
- 4.3. The Working Group discussed the application on L-tryptophan produced by *E. coli* KCCM 80210 (W008) for all animal species ([EFSA-Q-2020-00499](#)) and finalised the relevant sections of the draft opinion.
- 4.4. The Working Group discussed the application on ECONASE® XT (endo-1,4-beta-xylanase produced by *Trichoderma reesei* CBS 114044) for piglets (weaned), chickens for fattening, chickens reared for laying, turkeys for fattening and turkey reared for breedings ([EFSA-Q-2020-00653](#)) and finalised the relevant sections of the draft opinion.
- 4.5. The Working Group revised the draft statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain ([EFSA-Q-2019-00434](#)) and finalised the relevant sections of the draft document.

## 5. Any Other Business

The Working Group (WG) discussed some general issues:

- A general discussion took place on the proposed text establishing the criteria for the assessment of the efficacy of microorganisms used as hygiene condition enhancers.
- Feedback from November Plenary meeting: The Unit informed the WG about the opinions adopted.

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



## 6. Next meeting

8 December 2020.

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

## MINUTES OF THE 40<sup>th</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 5 November 2020**

**(Agreed on 5 November 2020)**

### Participants

- Working Group Members:  
Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Baltasar Mayo, Miguel Prieto Maradona, Maria Saarela and Yolanda Sanz.
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
FEED Unit: Angelica Amaduzzi, Montserrat Anguita, Rosella Brozzi, Yolanda García Cazorla, Gloria López Gálvez, Elisa Pettenati and Joana Revez.
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants. No apologies were received.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The Working Group continued the discussion on the application *Lactobacillus plantarum* DSM 26571 for all animal species ([EFSA-Q-2020-00279](#)) and finalised the relevant sections of the draft opinion.
- 4.2. The Working Group continued the discussion on the application L-lysine monohydrochloride and L-lysine sulphate from *Corynebacterium glutamicum* CCTCC M 2015595 for all animal species ([EFSA-Q-2020-00265](#)) and decided to inform the applicant on issues that require clarification.
- 4.3. The Working Group continued the discussion on the application RONOZYME® ProAct (serine protease EC 3.4.21. produced by *Bacillus licheniformis* DSM 19670) for chickens for fattening ([EFSA-Q-2019-00156](#)) and finalised the relevant sections of the draft opinion.
- 4.4. The Working group continued the discussion on the application GMP (disodium 5'-guanylate) produced by fermentation with *Corynebacterium ammoniagenes* KCCM 10530 and *Escherichia coli* K12 KFCC 11067 for all animal species ([EFSA-Q-2020-00267](#)) and finalised the relevant sections of the draft opinion.
- 4.5. The Working group continued the discussion on the application Balancius (muramidase) for piglets (weaned) ([EFSA-Q-2020-00199](#)) and finalised the relevant sections of the draft opinion.
- 4.6. The Working Group continued the discussion on the application vitamin B2 (riboflavin produced by *Ermothecium ashbyii* CCTCCM 2019833) ([EFSA-Q-2020-00323](#)) and decided that further discussion is needed.
- 4.7. The Working Group discussed the application on Amaferm (fermentation product of *Aspergillus oryzae* NRRL 458) for dairy cows ([EFSA-Q-2020-00574](#)) and decided that further discussion is needed.

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)





- 4.8.** The Working Group discussed the application on selenised yeast *Saccharomyces cerevisiae* CNCM I-3060, inactivated (SEL-PLEX) for all animal species ([EFSA-Q-2020-00495](#)) and decided to inform the applicant on issues that require clarification.

## 5. Any Other Business

Not Applicable

## 6. Next meeting

24 November 2020.



FEED UNIT

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

## MINUTES OF THE 39<sup>th</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 20 and 21 October 2020**

**(Agreed on 21 October 2020)**

### Participants

■ Working Group Members:

Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf<sup>1</sup>, Lieve Herman<sup>1</sup>, Secundino López Puente<sup>2</sup>, Baltasar Mayo (Chair of the WG), Miguel Prieto Maradona, Maria Saarela and Yolanda Sanz.

■ Hearing Experts<sup>3</sup>:

Not Applicable

■ European Commission and/or Member States representatives:

Not Applicable

■ EFSA:

FEED Unit: Montserrat Anguita, Rosella Brozzi, Jaume Galobart, Yolanda García Cazorla, Lucilla Gregoret, Orsolya Holcznecht, Matteo Innocenti, Elisa Pettenati, Joana Revez, and Maria Vittoria Vettori.

■ Others:

Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

<sup>1</sup> Attended only the first day of the meeting (20 October)

<sup>2</sup> Attended only the second day of the meeting (21 October)

<sup>3</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:

<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted with changes. The agenda point 4.9 was added.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>4</sup> and the Decision of the Executive Director on Competing Interest Management<sup>5</sup>, 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. Scientific topic(s) for discussion

- 4.1. The Working Group continued the discussion on the application NILABLEND 200G (lasalocid A sodium - nicarbazin) for chickens for fattening ([EFSA-Q-2019-00591](#)) and finalised the relevant sections of the draft opinion.
- 4.2. The Working Group continued the discussion on the application B-Act® (*Bacillus licheniformis* DSM 28710) for laying hens, minor poultry for laying, poultry species for breeding purposes and ornamental birds ([EFSA-Q-2019-00525](#)) and finalised the relevant sections of the draft opinion.
- 4.3. The Working Group continued the discussion on the application vitamin B2 (riboflavin) for all animal species ([EFSA-Q-2016-00505](#)) and finalised the relevant sections of the draft opinion.
- 4.4. The Working group continued the discussion on the application L-threonine for all animal species ([EFSA-Q-2020-00273](#)) and finalised the relevant sections of the draft opinion.
- 4.5. The Working group continued the discussion on the application L-lysine monohydrochloride and concentrated liquid L-lysine (base) produced by fermentation with *Corynebacterium glutamicum* KCTC 12307BP (C123) for all animal species ([EFSA-Q-2020-00326](#)) and finalised the relevant sections of the draft opinion.
- 4.6. The Working Group continued the discussion on the application L-lysine monohydrochloride; Concentrated liquid L-lysine (base) for all animal species ([EFSA-Q-2020-00134](#)) and finalised the relevant sections of the draft opinion.
- 4.7. The Working Group discussed the application on Sacox® (salinomycin sodium) for rabbits for fattening ([EFSA-Q-2020-00282](#)) and decided to inform the applicant on issues that require clarification.
- 4.8. The Working Group continued the discussion on EFSA statement on the requirements for whole genome sequence analysis of microorganisms intentionally

<sup>4</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>5</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



used in the food chain ([EFSA-Q-2019-00434](#)) and decided that further discussion is required.

**4.9.** The Working Group continued the discussion on the application FINASE® EC (6-phytase) for pigs other than sows, sows, poultry for fattening and breeding other than turkeys for fattening, poultry for laying and turkeys ([EFSA-Q-2019-00333](#)) and finalised the relevant sections of the draft opinion.

**4.10.** Item not discussed: Bafasal® (preparation four of bacteriophages infecting *Salmonella enterica* ser. Gallinarum 1) for all avian species ([EFSA-Q-2017-00724](#)).

## 5. Any Other Business

The Working Group (WG) discussed some general issues:

- The safety assessment of fermentation products used in the manufacturing process of feed additives is done on a case by case basis but a minimum set of information would be needed: origin, existing EU authorisation(s) and amount/volume used in the manufacturing process of the feed additive.
- The use of Kramer2 for the identification of microbial strains subject of an assessment is considered not appropriate. Identification should be achieved using e.g. phylogenomics, average nucleotide identity (ANI) as foreseen in the guidance.
- The methodology used to detect the potential presence of viable cells of the production strain in the final additive should enable the exclusion of their presence in any form (i.e. vegetative and sporulated). Therefore, germinating procedures to break the dormant stage of spores should be applied for all the microorganisms, fungi included, as appropriate.
- A general discussion took place on the assessment of efficacy of microorganisms used as hygiene condition enhancers.

## 6. Next meeting

5 November 2020.



FEED UNIT

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

## MINUTES OF THE 38<sup>th</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 28 September 2020**

**(Agreed on 28 September 2020)**

### Participants

- Working Group Members:  
Henrik Christensen, Baltasar Mayo (Chair of the WG), Miguel Prieto Maradona, Maria Saarela and Yolanda Sanz.
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
FEED Unit: Rosella Brozzi, Yolanda García Cazorla, Elisa Pettenati, Joana Revez, Konstantinos Sofianidis and Maria Vittoria Vettori.
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The Working Group continued the discussion on the application 25-hydroxycholecalciferol for pigs and poultry ([EFSA-Q-2019-00104](#)) and finalised the relevant sections of the draft opinion.
- 4.2. The Working Group continued the discussion on the application NILABLEND 200G (Lasalocid A sodium - Nicarbazin) for chickens for fattening ([EFSA-Q-2019-00591](#)) and decided that further discussion is needed.
- 4.3. The Working Group continued the discussion on the application vitamin B2 (riboflavin) for all animal species ([EFSA-Q-2020-00160](#)) and decided to inform the applicant on issues that require clarification.
- 4.4. The Working group continued the discussion on the application *Clostridium butyricum* FERM BP-2789 for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding, minor poultry species (excluding laying birds), piglets (suckling and weaned piglets), minor porcine species ([EFSA-Q-2019-00802](#)) and finalised the relevant sections of the draft opinion.
- 4.5. The Working group continued the discussion on the application Bonvital (*Enterococcus faecium* DSM7134) for chickens for fattening ([EFSA-Q-2019-00741](#)) and decided to inform the applicant on issues that require clarification.
- 4.6. The Working Group continued the discussion on the application on the preparation of *Bacillus subtilis* CNCM I-4606, *Bacillus subtilis* CNCM I-5043, *Bacillus subtilis* CNCM I-4607 and *Lactococcus lactis* CNCM I-4609 (MixBaLaC) for all animal species ([EFSA-Q-2020-00202](#)) and decided that further discussion is required.
- 4.7. The Working Group discussed the application on *Lactobacillus plantarum* DSM 26571 for all animal species ([EFSA-Q-2020-00279](#)) and decided that further discussion is required.

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



- 4.8.** Items not discussed: L-lysine monohydrochloride; concentrated liquid L-lysine (base) for all animal species ([EFSA-Q-2020-00134](#)).

## 5. Any Other Business

The WG discussed on the need for data regarding the full characterisation of fermentation products used in the manufacturing of feed additives. The issue will be brought to the attention of the Panel in a future plenary meeting.

## 6. Next meeting

20 October 2020.



FEED UNIT

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

### MINUTES OF THE 37<sup>th</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 14 September 2020**

**(Agreed 14 September 2020)**

#### Participants

■ Working Group Members:

Philip Ashton, Henrik Christensen, Pier Sandro Cocconcelli, Boet Glandorf, Lieve Herman, Baltasar Mayo (Chair of the WG), Miguel Prieto Maradona, Maria Saarela and Yolanda Sanz.

■ Hearing Experts<sup>1</sup>:

Carmen Peláez.

■ European Commission and/or Member States representatives:

Not Applicable

■ EFSA:

FEED Unit: Montserrat Anguita, Rosella Brozzi, Yolanda García Cazorla, Elisa Pettenati and Joana Revez.

FIP Unit: Jaime Aguilera.

NUTRI Unit: Reinhard Ackerl.

DATA Unit: Giovanni Iacono.

■ Others:

Not Applicable

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.





## 1. Welcome and apologies for absence

EFSA welcomed the participant.

## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The Working Group revised the draft statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain ([EFSA-Q-2019-00434](#)), taking into account the comments received during the public consultation ([EFSA-Q-2020-00031](#)), and modified the draft accordingly. It was decided that further revision and discussion are needed.

## 5. Any Other Business

Not applicable

## 6. Next meeting

28 September 2020

---

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



FEED UNIT

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

## MINUTES OF THE 36<sup>th</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 28 August 2020**

**(Agreed on 14 September 2020 by written procedure)**

### Participants

- Working Group Members:  
Henrik Christensen, Pier Sandro Cocconcelli, Boet Glandorf, Lieve Herman, Baltasar Mayo (Chair of the WG), Miguel Prieto Maradona and Maria Saarela.
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
FEED Unit: Montserrat Anguita, Rosella Brozzi, Yolanda García Cazorla, Lucilla Gregoretti, Elisa Pettenati, Joana Revez and Maria Vittoria Vettori.
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants. Apologies were received from Yolanda Sanz.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence and the Decision of the Executive Director on Competing Interest Management, 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.

Certain interests were declared orally by the members before the beginning of the meeting. For further details on the outcome of the screening of the Oral Declaration(s) of Interest made at the beginning of the meeting, please refer to the Annex.

## 4. Scientific topic(s) for discussion

- 4.1. The Working Group continued the discussion on the application FINASE<sup>®</sup> EC (6-phytase) for pigs other than sows, sows, poultry for fattening and breeding other than turkeys for fattening, poultry for laying and turkeys ([EFSA-Q-2019-00333](#)) and decided to inform the applicant on issues that require clarification.
- 4.2. The Working Group continued the discussion on the application NILABLEND 200G (Lasalocid A sodium - Nicarbazin) for chickens for fattening ([EFSA-Q-2019-00591](#)) and decided that further discussion is required.
- 4.3. The Working Group continued the discussion on the application on Aviax<sup>®</sup> 5% (Semduramicin sodium) for chickens for fattening ([EFSA-Q-2019-00813](#)) and decided to inform the applicant on issues that require clarification.
- 4.4. The Working group continued the discussion on the application on RONOZYME<sup>®</sup> ProAct (serine protease EC 3.4.21.- produced by *Bacillus licheniformis* DSM 19670) for chickens for fattening ([EFSA-Q-2019-00156](#)) and finalised the relevant sections of the draft opinion.
- 4.5. The Working group discussed the application on *Lactobacillus animalis* ATCC PTA-6750 for all animal species ([EFSA-Q-2016-00713](#)) and decided to inform the applicant on issues that require clarification.
- 4.6. The Working Group discussed the application on *Propionibacterium freudenreichii* ssp. *shermanii* ATCC PTA- 6752 for all animal species ([EFSA-Q-2017-00613](#)) and decided that further discussion is required.
- 4.7. The Working Group discussed the application on L-threonine for all animal species ([EFSA-Q-2020-00273](#)) and decided to inform the applicant on issues that require clarification.
- 4.8. The Working Group discussed the application on L-valine for all animal species ([EFSA-Q-2019-00788](#)) and finalised the relevant sections of the draft opinion.



- 4.9.** The Working Group discussed the application on L-valine for all animal species ([EFSA-Q-2020-00375](#)) and decided to inform the applicant on issues that require clarification.
- 4.10.** The Working Group discussed the application on Cylactin<sup>®</sup>, Cernivet<sup>®</sup> (*Enterococcus faecium* NCIMB 10415) for poultry ruminants and pigs ([EFSA-Q-2020-00391](#)) and decided to inform the applicant on issues that require clarification.
- 4.11.** The Working Group discussed the application on GMP (disodium 5'-guanylate) produced by fermentation with *Corynebacterium ammoniagenes* KCCM 10530 and *Escherichia coli* K12 KFCC 11067 for all animal species ([EFSA-Q-2020-00267](#)) and decided to inform the applicant on issues that require clarification.
- 4.12.** The Working Group discussed the application on L-lysine monohydrochloride and concentrated liquid L-lysine (base) produced by fermentation with *Corynebacterium glutamicum* KCTC 12307BP (C123) for all animal species ([EFSA-Q-2020-00326](#)) and decided to inform the applicant on issues that require clarification.

## 5. Any Other Business

N.A.

## 6. Next meeting

14 September 2020.



## Annex

### **Interests and actions resulting from the Oral Declaration of Interest done at the beginning of the meeting**

With regard to this meeting, Dr Baltasar Mayo declared a research activity on the typing of lactic acid bacteria strains of potential interest as industrial starters for Chr. Hansen A/S. Such activity represents less than 10% of the research budget that the expert is managing and that is related to the mandate of the WG. In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, and taking into account the specific matters discussed at the meeting in question, the interest above was not deemed to represent a Conflict of Interest for the expert concerned.

---

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

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

## MINUTES OF THE 35<sup>th</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 29 June 2020**

**(Agreed 29 June 2020)**

### Participants

- Working Group Members:  
Philip Ashton, Christina Cuomo and Baltasar Mayo.
- Hearing Experts<sup>1</sup>:  
John Louis Edward
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
FEED Unit: Montserrat Anguita
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participant.

### 2. Adoption of agenda

The agenda was adopted without changes.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The Working Group revised the draft statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain ([EFSA-Q-2019-00434](#)), taking into account the comments received during the public consultation ([EFSA-Q-2020-00031](#)), and modified the draft accordingly. It was decided that further revision and discussion are needed.

### 5. Any Other Business

Not applicable

### 6. Next meeting

28 August 2020

---

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



FEED UNIT

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

## MINUTES OF THE 34<sup>th</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 26 June 2020**

**(Agreed on 26 June 2020)**

### Participants

- Working Group Members:  
Henrik Christensen, Pier Sandro Cocconcelli, Boet Glandorf, Baltasar Mayo (Chair of the WG), Miguel Prieto Maradona, Maria Saarela and Yolanda Sanz.
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
FEED Unit: Montserrat Anguita, Rosella Brozzi, Yolanda García Cazorla, Elisa Pettenati and Maria Vittoria Vettori.
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants. No apologies were received.

### 2. Adoption of agenda

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.





The agenda was adopted with changes. The agenda point 4.9 was added.

### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The Working Group continued the discussion on the application Calsporin® (*Bacillus subtilis* C-3102, DSM 15544) for piglets (weaned) ([EFSA-Q-2019-00370](#)) and decided to inform the applicant on issues that require clarification.
- 4.2. The Working Group continued the discussion on the application B-Act® (*Bacillus licheniformis* DSM 28710) for laying hens, minor poultry for laying, poultry species for breeding purposes and ornamental birds ([EFSA-Q-2019-00525](#)) and finalised the relevant sections of the draft opinion.
- 4.3. The Working Group continued the discussion on the application on Correlink (*Bacillus subtilis* NRRL B-67257) for chickens for fattening, turkeys for fattening, chickens reared for laying, turkeys reared for breeding and minor poultry species ([EFSA-Q-2019-00803](#)) and finalised the relevant sections of the draft opinion.
- 4.4. The Working group continued the discussion on the application on Vitamin B2 (riboflavin produced by *Eremothecium ashbyii* CCTCCM 2019833) ([EFSA-Q-2020-00323](#)) and decided to inform the applicant on issues that require clarification.
- 4.5. The Working group continued the discussion on the application Balancius (Muramidase) for piglets (weaned) ([EFSA-Q-2020-00199](#)) and decided to inform the applicant on issues that require clarification.
- 4.6. The Working Group continued the discussion on the application on L-histidine monohydrochloride monohydrate produced by fermentation with *Escherichia coli* K-12 KCCM 80212 (H010) for all animal species ([EFSA-Q-2020-00189](#)) and finalised the relevant sections of the draft opinion.
- 4.7. The Working Group discussed the application on Vitamin B2 (riboflavin) for all animal species ([EFSA-Q-2020-00160](#)) and decided to inform the applicant on issues that require clarification.
- 4.8. The Working Group discussed the application on a preparation of *Bacillus subtilis* CNCM I-4606, *Bacillus subtilis* CNCM I-5043, *Bacillus subtilis* CNCM I-4607 and *Lactococcus lactis* CNCM I-4609 for all animal species ([EFSA-Q-2020-00202](#)) and decided to inform the applicant on issues that require clarification.

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



- 4.9.** The Working Group discussed the application on Nutrase P (6-phytase) for chickens for fattening, other poultry for fattening, reared for laying and ornamental birds ([EFSA-Q-2019-00155](#)) and finalised the relevant sections of the draft opinion.
- 4.10.** Items not discussed: FINASE® EC (6-phytase) for pigs other than sows, sows, poultry for fattening and breeding other than turkeys for fattening, poultry for laying and turkeys ([EFSA-Q-2019-00333](#)).

## 5. Any Other Business

Feedback from March Plenary meeting: The Unit informed the WG about the opinions adopted.

## 6. Next meeting

29 June 2020.



FEED UNIT

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

## MINUTES OF THE 33<sup>rd</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 22 June 2020**

**(Agreed 22 June)**

### Participants

- Working Group Members:  
Baltasar Mayo
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
FEED Unit: Montserrat Anguita
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participant.

### 2. Adoption of agenda

The agenda was adopted without changes.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The Working Group revised the draft statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain ([EFSA-Q-2019-00434](#)), taking into account the comments received during the public consultation ([EFSA-Q-2020-00031](#)), and modified the draft accordingly. It was decided that further revision and discussion are needed.

### 5. Any Other Business

Not applicable

### 6. Next meeting

26 June 2020

---

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

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

## MINUTES OF THE 32<sup>nd</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 11 and 12 June 2020**

**(Agreed 15 June by written procedure)**

### Participants

- Working Group Members:  
Baltasar Mayo
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
FEED Unit: Montserrat Anguita
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participant.

### 2. Adoption of agenda

The agenda was adopted without changes.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The Working Group revised the draft statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain ([EFSA-Q-2019-00434](#)), taking into account the comments received during the public consultation ([EFSA-Q-2020-00031](#)), and modified the draft accordingly. It was decided that further revision and discussion are needed.

### 5. Any Other Business

Not applicable

### 6. Next meeting

22 June 2020

---

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



FEED UNIT

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

## MINUTES OF THE 31<sup>st</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 14 May 2020**

**(Agreed on 14 May 2020)**

### Participants

- Working Group Members:  
Henrik Christensen, Pier Sandro Cocconcelli, Boet Glandorf, Lieve Herman, Baltasar Mayo (Chair of the WG), Miguel Prieto Maradona, Maria Saarela and Yolanda Sanz.
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
FEED Unit: Montserrat Anguita, Rosella Brozzi, Yolanda García Cazorla, Elisa Pettenati and Maria Vitoria Vettori.
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants. No apologies were received.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted with changes. The agenda point 4.9 was added.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The Working Group continued the discussion on the application Danisco Xylanase (endo-1,4-beta-xylanase) for all ducks, all other poultry species (except breeders), piglets (weaned, suckling), pigs for fattening and minor growing porcine species ([EFSA-Q-2018-01039](#)) and finalised the relevant sections of the draft opinion.
- 4.2. The Working Group continued the discussion on the application L-Lysine monohydrochloride/Concentrated liquid L-Lysine produced by fermentation with *Corynebacterium casei* KCCM80190 for all animal species ([EFSA-Q-2019-00195](#)) and finalised the relevant sections of the draft opinion.
- 4.3. The Working Group continued the discussion on the application on Aextra® XAP 104 TPT (endo-1,4-beta-xylanase, alpha-amylase and protease) for chickens for fattening, laying hens and all minor poultry species ([EFSA-Q-2017-00717](#)) and finalised the relevant sections of the draft opinion.
- 4.4. The Working group continued the discussion on the application on Vitamin B2 (riboflavin) for all animal species ([EFSA-Q-2016-00505](#)) and decided to inform the applicant on issues that require clarification.
- 4.5. The Working group continued the discussion on the application on Enviva® PRO 202 GT (*Bacillus amyloliquefaciens* PTA-6507, *Bacillus amyloliquefaciens* NRRL B-50013 and *Bacillus amyloliquefaciens* NRRL B-50104) for turkeys for fattening ([EFSA-Q-2019-00457](#)) and decided to inform the applicant on issues that require clarification.
- 4.6. The Working group continued the discussion on the application on *Lactobacillus parafarraginis* DSM 32962 for all animal species ([EFSA-Q-2019-00626](#)) and finalised the relevant sections of the draft opinion.
- 4.7. The Working Group continued the discussion on the application on STENOROL® (Halofuginone hydrobromide) for chickens for fattening and turkeys ([EFSA-Q-2012-00407](#)) and finalised the relevant sections of the draft opinion.

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)





- 4.8.** The Working Group discussed the application on L-lysine monohydrochloride and L-lysine sulphate from *Corynebacterium glutamicum* CCTCC M 2015595 for all animal species ([EFSA-Q-2020-00265](#)) and decided to inform the applicant on issues that require clarification.
- 4.9.** The Working Group discussed the application on L-isoleucine produced by fermentation using *Corynebacterium glutamicum* KCCM 80185 for all animal species ([EFSA-Q-2020-00007](#)) and decided to inform the applicant on issues that require clarification.
- 4.10.** Item not discussed: Calsporin® (*Bacillus subtilis* DSM 15544) for piglets (weaned) ([EFSA-Q-2019-00370](#)).

## 5. Any Other Business

Not Applicable

## 6. Next meeting

9 June 2020.

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

## MINUTES OF THE 30<sup>th</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 15 & 16 April 2020**

**(Agreed on 23 April 2020 by written procedure)**

### Participants

■ Working Group Members:

Philip Ashton<sup>1</sup>, Henrik Christensen, Pier Sandro Cocconcelli, Boet Glandorf, Lieve Herman, Baltasar Mayo (Chair of the WG), Carmen Peláez<sup>1</sup>, Miguel Prieto Maradona, Maria Saarela and Yolanda Sanz.

■ Hearing Experts<sup>2</sup>:

Not Applicable

■ European Commission and/or Member States representatives:

Not Applicable

■ EFSA:

FEED Unit: Montserrat Anguita, Rosella Brozzi, Yolanda García Cazorla, Orsolya Holczknecht, Matteo Innocenti, Gloria López-Gálvez, Elisa Pettenati, Fabiola Pizzo, Konstantinos Sofianidis, Jordi Torres-Call and Maria Vitoria Vettori.

FIP Unit: Jaime Aguilera<sup>1</sup>

BIOCONTAM Unit: Beatriz Guerra<sup>1</sup>

PREV Unit: Laszlo Bura<sup>1</sup>

NUTRI Unit: Reinhard Ackerl<sup>1</sup>

■ Others:

Not Applicable

<sup>1</sup> Attended only on 15 April morning for point 4.1. of the agenda.

<sup>2</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 1. Welcome and apologies for absence

EFSA welcomed the participants. No apologies were received.

## 2. Adoption of agenda

The agenda was adopted with changes. The agenda point 4.15 was added.

## 3. Declarations of Interest of Working Groups 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 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. Scientific topic(s) for discussion

- 4.1. The Working Group revised the draft statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain ([EFSA-Q-2019-00434](#)), taking into account the comments received during the public consultation ([EFSA-Q-2020-00031](#)), and modified the draft accordingly. It was decided that further revision and discussion are needed.
- 4.2. The Working Group continued the discussion on Axtra<sup>®</sup> XAP 104 TPT (endo-1,4-beta-xylanase, alpha-amylase and protease) for chickens for fattening, laying hens and all minor poultry species ([EFSA-Q-2017-00717](#)) and finalised the relevant sections of the draft opinion.
- 4.3. The Working Group continued the discussion on the application Natugrain<sup>®</sup> TS, Natugrain<sup>®</sup> TS L (endo-1,4-beta-xylanase and endo-1,4-beta-glucanase) for piglets (weaned), laying hens, chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding, turkeys for breeding purposes, ducks for fattening, all minor avian species for laying, minor poultry species for fattening (other than ducks for fattening) and ornamental birds ([EFSA-Q-2018-00417](#)) and finalised the relevant sections of the draft opinion.
- 4.4. The Working Group discussed the application on ROVABIO<sup>®</sup> ADVANCE powder & liquid (endo-1,4-beta-xylanase (EC 3.2.1.8), endo-1,3(4)-beta-glucanase (EC 3.2.1.6)) for pigs for fattening, piglets (weaned) ([EFSA-Q-2020-00147](#)) and decided to inform the applicant on issues that require clarification.
- 4.5. The Working Group continued the discussion on the application on L-lysine sulphate produced by fermentation with *Corynebacterium glutamicum* KFCC 11043

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>4</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



for all animal species ([EFSA-Q-2019-00194](#)) and decided to inform the applicant on issues that require clarification.

- 4.6.** The Working group discussed the application on STENOROL® (halofuginone hydrobromide) for chickens for fattening and turkeys ([EFSA-Q-2012-00407](#)) and decided that further revision and discussion are needed.
- 4.7.** The Working group discussed the application on fumonisin esterase from *Komagataella phaffii* DSM 32159 (Fumzyme) as a technological feed additive for all animal species ([EFSA-Q-2019-00624](#)) and finalised the relevant sections of the draft opinion.
- 4.8.** The Working group discussed the application on RONOZYME® ProAct (serine protease EC 3.4.21.- produced by *Bacillus licheniformis* DSM 19670) for chickens for fattening ([EFSA-Q-2019-00156](#)) and decided to inform the applicant on issues that require clarification.
- 4.9.** The Working Group discussed the application on Enviva® PRO 202 GT (*Bacillus amyloliquefaciens* PTA-6507, *B. amyloliquefaciens* NRRL B-50013 and *B. amyloliquefaciens* NRRL B-50104) for turkeys for fattening ([EFSA-Q-2019-00457](#)) and decided that further discussion is needed.
- 4.10.** The Working Group discussed the application on ECONASE® XT (endo-1,4-beta-xylanase) for piglets (weaned), pigs for fattening, chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding and minor poultry species ([EFSA-Q-2019-00330](#)) and finalised the relevant section of the draft opinion.
- 4.11.** The Working Group discussed the application on *Bacillus subtilis* PB6 (*Bacillus velezensis* ATCC PTA-6737) for chickens for fattening, chickens reared for laying and minor poultry species (except for laying purpose) ([EFSA-Q-2019-00410](#)) and finalised the relevant section of the draft opinion.
- 4.12.** The Working Group discussed the application on *Pediococcus pentosaceus* DSM 16244 for all animal species ([EFSA-Q-2019-00369](#)) and finalised the relevant sections of the draft opinion.
- 4.13.** The Working Group discussed the application on *Bacillus subtilis* DSM 32325 (QH72) for all animal species ([EFSA-Q-2017-00745](#)) and finalised the relevant section of the draft opinion.
- 4.14.** The Working Group discussed the application on *Bacillus subtilis* DSM 32324 (KG76) for all animal species ([EFSA-Q-2017-00744](#)) and finalised the relevant section of the draft opinion.
- 4.15.** The Working Group discussed the application on *Bacillus amyloliquefaciens* DSM 25840 (ZM16) for all animal species ([EFSA-Q-2017-00722](#)) and finalised the relevant section of the draft opinion.
- 4.16.** Items not discussed: L-Lysine monohydrochloride/Concentrated liquid L-Lysine produced by fermentation with *Corynebacterium casei* KCCM80190 for all animal species ([EFSA-Q-2019-00195](#)), Danisco Xylanase (endo-1,4-beta-xylanase) for all ducks, all other poultry species (except breeders), piglets (weaned, suckling), pigs



for fattening and minor growing porcine species ([EFSA-Q-2018-01039](#)) and *Calsporin*® (*Bacillus subtilis* DSM 15544) for piglets (weaned) ([EFSA-Q-2019-00370](#)).

## 5. Any Other Business

Feedback from March Plenary meeting: The Unit informed the WG about the opinions adopted.

## 6. Next meeting

14 May 2020.

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

## MINUTES OF THE 29<sup>th</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 7 April 2020**

**(Agreed on 7 April 2020)**

### Participants

- Working Group Members:  
Baltasar Mayo.
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
FEED Unit: Montserrat Anguita
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants. No apologies were received.

### 2. Adoption of agenda

The agenda was adopted without changes.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The Working Group revised the draft statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain ([EFSA-Q-2019-00434](#)), taking into account the comments received during the public consultation ([EFSA-Q-2020-00031](#)), and modified the draft accordingly. It was decided that further revision and discussion are needed.

### 5. Any Other Business

Not applicable

### 6. Next meeting

15 and 16 April 2020

---

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

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

## MINUTES OF THE 28<sup>th</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 11 March 2020**

**(Agreed on 16 March 2020 by written procedure)**

### Participants

■ Working Group Members:

Henrik Christensen, Pier Sandro Cocconcelli, Boet Glandorf, Lieve Herman, Baltasar Mayo (Chair of the WG), Miguel Prieto, Maria Saarela and Yolanda Sanz.

■ Hearing Experts<sup>1</sup>:

Not Applicable

■ European Commission and/or Member States representatives:

Not Applicable

■ EFSA:

Feed Unit: Angelica Amaduzzi, Rosella Brozzi, Yolanda García Cazorla, Orsolya Holczknecht, Gloria López-Gálvez, Elisa Pettenati, Fabiola Pizzo, Maria Vitoria Vettori.

■ Others:

Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants. No apologies were received.

### 2. Adoption of agenda

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.





The agenda was adopted without changes.

### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The Working Group continued the discussion on the application on *Lactobacillus buchneri* DSM 29026 for all animal species ([EFSA-Q-2019-00180](#)) and decided to inform the applicant on issues that require clarification.
- 4.2. The Working Group continued the discussion on the application on L-cysteine hydrochloride monohydrate by fermentation with *Escherichia coli* KCCM 80109 and *Escherichia coli* KCCM 80197 for all animal species ([EFSA-Q-2019-00041](#)) and finalised the relevant sections of the draft opinion.
- 4.3. The Working Group discussed the application on GalliPro® Fit (*Bacillus subtilis* DSM 32324, *Bacillus subtilis* DSM 32325 and *Bacillus amyloliquefaciens* DSM 25840) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding and minor poultry species ([EFSA-Q-2019-00117](#)) and finalised the relevant sections of the draft opinion.
- 4.4. The Working group continued the discussion on IMP (disodium 5'-inosinate) produced by fermentation with *Corynebacterium ammoniagenes* KCCM 80161 for all animal species ([EFSA-Q-2019-00040](#)) and finalised the relevant sections of the draft opinion.
- 4.5. The Working Group continued the discussion on the application on OptiPhos® PLUS (6-phytase) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding, minor poultry species for fattening, minor poultry species reared for laying, minor poultry species reared for breeding and ornamental birds ([EFSA-Q-2019-00303](#)) and finalised the relevant sections of the draft opinion.
- 4.6. The Working group discussed the application on NILABLEND 200G (lasalocid A sodium - Nicarbazin) for Chickens for fattening ([EFSA-Q-2019-00591](#)) and decided to inform the applicant on issues that require clarification.
- 4.7. The Working group discussed the application on Aviax® 5% (semduramicin sodium) for chickens for fattening ([EFSA-Q-2019-00813](#)) and decided to inform the applicant on issues that require clarification.

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



- 4.8.** The Working group discussed the application on Coxidin® (monensin sodium) for chickens for fattening, chickens reared for laying and turkeys for fattening (up to 16 weeks of age) ([EFSA-Q-2016-00643](#)) and decided to inform the applicant on issues that require clarification.
- 4.9.** The Working group discussed the application on Correlink (*Bacillus subtilis* NRRL B-67257) for chickens for fattening, turkeys for fattening, chickens reared for laying, turkeys reared for breeding and minor poultry species ([EFSA-Q-2019-00803](#)) and decided to inform the applicant on issues that require clarification.
- 4.10.** The Working Group discussed the application on ZENzyme® (zearalenone hydrolase) for all terrestrial animal species ([EFSA-Q-2020-00008](#)) and decided to inform the applicant on issues that require clarification.
- 4.11.** Items not discussed: L-Lysine monohydrochloride/concentrated liquid L-Lysine produced by fermentation with *Corynebacterium casei* KCCM 80190 for all animal species ([EFSA-Q-2019-00195](#)) and L-lysine sulphate produced by fermentation with *Corynebacterium glutamicum* KFCC 11043 for all animal species ([EFSA-Q-2019-00194](#)).

## 5. Any Other Business

Not applicable

## 6. Next meeting

15 and 16 April 2020.

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

## MINUTES OF THE 27<sup>th</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 10 March 2020**

**(Agreed on 16 March 2020 by written procedure)**

### Participants

- Working Group Members:  
Christina Cuomo and Baltasar Mayo.
- Hearing Experts<sup>1</sup>:  
John Louis Edward
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
FEED Unit: Montserrat Anguita, Rosella Brozzi, and Elisa Pettenati.  
FIP Unit: Jaime Aguilera  
BIOCONTAM Unit: Beatriz Guerra
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants. Apologies were received from Philip Ashton.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The Working Group revised the draft statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain ([EFSA-Q-2019-00434](#)), taking into account the comments received during the public consultation ([EFSA-Q-2020-00031](#)), and modified the draft accordingly. It was decided that further revision and discussion are needed.

## 5. Any Other Business

Not applicable

## 6. Next meeting

11 March 2020

---

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

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

## MINUTES OF THE 26<sup>th</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 5 and 6 March 2020**

**(Agreed on 16 March 2020 by written procedure)**

### Participants

- Working Group Members:  
Philip Ashton<sup>1</sup> and Baltasar Mayo
- Hearing Experts<sup>2</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
FEED Unit: Montserrat Anguita, Rosella Brozzi, Yolanda García Cazorla, and Elisa Pettenati  
FIP Unit: Jaime Aguilera  
BIOCONTAM Unit: Beatriz Guerra<sup>1</sup>  
PREV Unit: Laszlo Bura<sup>1</sup> and Dimitra Kardassi<sup>3</sup>
- Others:  
Not Applicable

---

<sup>1</sup> Attended only on 5 March

<sup>2</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.

<sup>3</sup> Attended only on 6 March



## 1. Welcome and apologies for absence

EFSA welcomed the participants. Apologies from Philip Ashton were received on 6 March.

## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>4</sup> and the Decision of the Executive Director on Competing Interest Management<sup>5</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The Working Group revised the draft statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain ([EFSA-Q-2019-00434](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)), taking into account the comments received during the public consultation ([EFSA-Q-2020-00031](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)), and modified the draft accordingly. It was decided that further revision and discussion are needed.

## 5. Any Other Business

Not applicable

## 6. Next meeting

10 March 2020

---

<sup>4</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>5</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

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

## MINUTES OF THE 25<sup>th</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 12 February 2020**

**(Agreed on 12 February 2020)**

### Participants

- Working Group Members:  
Henrik Christensen, Pier Sandro Cocconcelli, Boet Glandorf, Lieve Herman, Baltasar Mayo (Chair of the WG), Miguel Prieto and Maria Saarela.
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Rosella Brozzi, Yolanda García Cazorla, Lucilla Gregoretti, Orsolya Holczknecht, Gloria López-Gálvez, Elisa Pettenati, Kostantinos Sofianidis and Jordi Tarrés-Call.
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants. No apologies were received.

### 2. Adoption of agenda

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



The agenda was adopted with changes. The agenda point 4.11 was added.

### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The Working Group continued the discussion on the application on L-Tryptophan produced by fermentation with *Escherichia coli* KCCM 10534 ([EFSA-Q-2018-00545](#)) and finalised the relevant sections of the draft opinion.
- 4.2. The Working Group continued the discussion on the application on L-histidine monohydrochloride monohydrate for other fin fish ([EFSA-Q-2018-00546](#)) and finalised the relevant sections of the draft opinion.
- 4.3. The Working Group discussed the application on *Bacillus subtilis* PB6 (*Bacillus subtilis* ATCC PTA-6737) for chickens for fattening, chickens reared for laying and minor poultry species (except for laying purpose) ([EFSA-Q-2019-00410](#)) and decided to inform the applicant on issues that require clarification.
- 4.4. The Working group continued the discussion on the application on Xanthan gum for all animal species ([EFSA-Q-2013-01021](#)) and finalised the relevant sections of the draft opinion.
- 4.5. The Working Group continued the discussion on the application on L-lysine monohydrochloride for all animal species ([EFSA-Q-2019-00331](#)) and finalised the relevant sections of the draft opinion.
- 4.6. The Working Group continued the discussion on the application on Biacton for weaned piglets ([EFSA-Q-2016-00712](#)) and finalised the relevant sections of the draft opinion.
- 4.7. The Working group discussed the application on Biacton for laying hens, chickens and turkeys for fattening ([EFSA-Q-2016-00711](#)) and finalised the relevant sections of the draft opinion.
- 4.8. The Working group discussed the application on AQ02 (*Lactobacillus plantarum* CECT 8350 and *Lactobacillus reuteri* CECT 8700) for suckling piglets ([EFSA-Q-2019-00487](#)) and decided to inform the applicant on issues that require clarification.

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)





- 4.9.** The Working group discussed the application on *Bacillus subtilis* DSM 32325 for all animal species ([EFSA-Q-2017-00744](#)) and decided that further discussion is needed.
- 4.10.** The Working group discussed the application *Bacillus subtilis* DSM 32324 for all animal species ([EFSA-Q-2017-00745](#)) and decided that further discussion is needed.
- 4.11.** The Working Group continued the discussion of the application on Bafasal® (preparation four of bacteriophages infecting *Salmonella enterica* ser. Gallinarum B/00111) for all avian species ([EFSA-Q-2017-00724](#)) and decided to inform the applicant on issues that require clarification.

## 5. Any Other Business

Not applicable

## 6. Next meeting

5 March 2020.

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

## MINUTES OF THE 24<sup>th</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 11 February 2020**

**(Agreed on 11 February 2020)**

### Participants

- Working Group Members:  
Philip Ashton, Christina Cuomo and Baltasar Mayo
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi, Yolanda García Cazorla, and Elisa Pettenati
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants. No apologies were received.

### 2. Adoption of agenda

The agenda was adopted without changes.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The participants discussed examples on how to present the data following the provisions of the statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain (EFSA-Q-2019-00434) and decided that more discussion is needed.

### 5. Any Other Business

Not applicable

### 6. Next meeting

12 February 2020

---

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



FEED UNIT

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

## MINUTES OF THE 23<sup>RD</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**Tele meeting 24 January 2020**

**(Agreed on 24 January 2020)**

### Participants

■ Working Group Members:

Henrik Christensen, Pier Sandro Cocconcelli, Boet Glandorf, Baltasar Mayo (Chair of the WG), Miguel Prieto, Maria Saarela and Yolanda Sanz.

■ Hearing Experts<sup>1</sup>:

Not Applicable

■ European Commission and/or Member States representatives:

Not Applicable

■ EFSA:

Feed Unit: Montserrat Anguita, Rosella Brozzi, Yolanda García-Cazorla, Lucilla Gregoretti and Maria Vittoria Vettori.

■ Others:

Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

No apologies were received.

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:

<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted with changes. The agenda points 4.8 and 4.9 were added.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The participants discussed the application on Biacton for weaned piglets ([EFSA-Q-2016-00712](#)) and decided that further discussion is needed.
- 4.2. The participants discussed the application on Biacton for laying hens, chickens and turkeys for fattening ([EFSA-Q-2016-00711](#)) and decided that further discussion is needed.
- 4.3. The participants continued the discussion on 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-2017-00837](#)) and finalised the relevant sections of the draft opinion.
- 4.4. The participants continued the discussion on L-tryptophan for all animal species ([EFSA-Q-2017-00610](#)) and finalised the relevant sections of the draft opinion.
- 4.5. The participants continued the discussion on the application on Nutrase P (6-phytase) for chickens for fattening, other poultry for fattening, reared for laying and ornamental birds ([EFSA-Q-2019-00155](#)) and decided that further discussion is needed.
- 4.6. The participants discussed the application on Xanthan gum for all animal species ([EFSA-Q-2013-01021](#)) and decided that further discussion is needed.
- 4.7. The participants discussed the application on B-Act® (Bacillus licheniformis DSM 28710) for laying hens, minor poultry for laying, poultry species for breeding purposes and ornamental birds ([EFSA-Q-2019-00525](#)) and decided to inform the applicant on issues that require clarification.
- 4.8. The participants continued the discussion on the L-isoleucine (minimum 93.4% of L-isoleucine expressed on dry matter) for all animal species ([EFSA-Q-2019-00361](#)) and finalised the relevant sections of the draft opinion.
- 4.9. The participants discussed the application on Maxiban G160 contains 80 g narasin and 80 g nicarbazin per Kg for chickens for fattening ([EFSA-Q-2019-00739](#)) and finalised the relevant sections of the draft opinion.

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



## **5. Any Other Business**

Not Applicable

## **6. Next meeting**

11 February 2020

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

## MINUTES OF THE 22<sup>ND</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**Tele meeting 17 December 2019**

**(Agreed on 17 December 2019)**

### Participants

- Working Group Members:  
Henrik Christensen, Pier Sandro Cocconcelli, Boet Glandorf, Lieve Herman, Baltasar Mayo (Chair of the WG), Miguel Prieto, Maria Saarela and Yolanda Sanz.
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi, Yolanda García, Elisa Pettenati and Maria Vittoria Vettori.
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

No apologies were received.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted with changes. The agenda point 4.5 was added.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The participants continued the discussion on the application on MSG (monosodium L-glutamate) produced by fermentation with *Corynebacterium glutamicum* KCCM 80188 for all animal species ([EFSA-Q-2019-00037](#)) and finalised the characterisation of the production strain of the draft opinion.
- 4.2.** The participants continued the discussion on the application on Natugrain® TS, Natugrain® TS L (endo-1,4-beta-xylanase and endo-1,4-beta-glucanase) for piglets (weaned), laying hens, chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding, turkeys for breeding purposes, ducks for fattening, all minor avian species for laying, minor poultry species for fattening (other than ducks for fattening) and ornamental birds ([EFSA-Q-2018-00417](#)) and decided to inform the applicant on issues that require clarification.
- 4.3.** The participants continued the discussion on the application on Avizyme 1505 (endo-1,4-beta-xylanase (EC 3.2.1.8) derived from *Trichoderma reesei*, alpha-amylase (EC 3.2.1.1) derived from *Bacillus amyloliquefaciens* and protease (EC 3.4.21.62) derived from *Bacillus subtilis*) for all ducks and all other poultry species (except breeders ([EFSA-Q-2018-01040](#))) and finalised the characterisation of the production strains of the draft opinion.
- 4.4.** The participants discussed the application on NILABLEND 200G (Lasalocid A sodium - Nicarbazin) for chickens for fattening ([EFSA-Q-2019-00591](#)) and decided to inform the applicant on issues that require clarification.
- 4.5.** The participants continued the discussion on the application on GalliPro® Fit (*Bacillus subtilis* DSM 32324, *B. subtilis* DSM 32325 and *Bacillus amyloliquefaciens* DSM 25840) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding and minor poultry species ([EFSA-Q-2011-00148](#)) and decided that further discussion is needed.
- 4.6.** Item not discussed: 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-2017-00837](#)).

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)





## **5. Any Other Business**

Not Applicable

## **6. Next meeting**

24 January 2020



FEED UNIT

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

## MINUTES OF THE 21<sup>ST</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**Tele meeting 27 November 2019**

**(Agreed on 27 November 2019)**

### Participants

- Working Group Members:  
Henrik Christensen, Pier Sandro Cocconcelli, Boet Glandorf, Lieve Herman, Baltasar Mayo (Chair of the WG) and Maria Saarela.
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Rosella Brozzi, Yolanda García and Elisa Pettenati.
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

Apologies were received from Miguel Prieto and Yolanda Sanz.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The participants discussed the application on L-Valine produced by fermentation with *Escherichia coli* K12 KCCM 80159 for all animal species ([EFSA-Q-2018-00712](#)) and finalised the characterisation of the production strain of the draft opinion.
- 4.2. The participants discussed the application on L-lysine formulated as L-lysine monohydrochloride and L-lysine sulphate ([EFSA-Q-2018-00427](#)) and finalised the characterisation of the production strain of the draft opinion.
- 4.3. The participants continued the discussion on the application on L-cystine (not less than: 98% L-cystine on dry matter basis) using strain NITE BP-02525 ([EFSA-Q-2019-00332](#)) and finalised the characterisation of the production strain of the draft opinion.
- 4.4. The participants continued the discussion on the application on L-Tryptophan produced by fermentation with *Escherichia coli* KCCM 10534 ([EFSA-Q-2018-00545](#)) and finalised the characterisation of the production strain of the draft opinion.
- 4.5. The participants continued the discussion on the application on Sorbiflore® (*Lactobacillus rhamnosus* CNCM I-3698 and *Lactobacillus farciminis* CNCM I-3699) for chickens for fattening ([EFSA-Q-2017-00756](#)) and finalised the characterisation of the active agents of the draft opinion.
- 4.6. The participants discussed the application on *Lactobacillus parafarraginis* DSM 32962 for all animal species ([EFSA-Q-2019-00626](#)) and decided to inform the applicant on issues that require clarification.

## 5. Any Other Business

Not Applicable

## 6. Next meeting

To be decided

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



FEED UNIT

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

## MINUTES OF THE 20<sup>TH</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**Parma, 16 and 17 October 2019**

**(Agreed on 17 October 2019)**

### Participants

- Working Group Members:  
Henrik Christensen, Pier Sandro Cocconcelli, Boet Glandorf, Lieve Herman, Baltasar Mayo (Chair of the WG), Miguel Prieto Maradona, Maria Saarela and Yolanda Sanz.
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi, Elisa Pettenati, Gloria López, Konstantinos Sofianidis, Jordi Tarrés-Call and Maria Vittoria Vettori.
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

No apologies were received.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted with changes. The agenda points 4.5, 4.8, 4.10 and 4.11 were added.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The participants continued the discussion on the application on L-Tryptophan produced by fermentation with *Escherichia coli* KCCM 10534 ([EFSA-Q-2018-00545](#)) and decided to inform the applicant on issues that require clarification.
- 4.2.** The participants continued the discussion on the application on Astaxanthin-rich *Phaffia rhodozyma* (ATCC SD 5340) for salmon and trout ([EFSA-Q-2015-00754](#)) and decided that further discussion is needed.
- 4.3.** The participants continued the discussion on the application on Ecobiol®, Ecobiol® 500, Ecobiol® Plus (*Bacillus amyloliquefaciens* CECT 5940) for chickens for fattening and reared for laying ([EFSA-Q-2018-00060](#)) and finalised the characterisation of the active agent of the draft opinion.
- 4.4.** The participants continued the discussion on the application on Sorbiflore® (*Lactobacillus rhamnosus* CNCM I-3698 and *Lactobacillus farciminis* CNCM I-3699) for chickens for fattening ([EFSA-Q-2017-00756](#)) and decided that further discussion is needed.
- 4.5.** The participants continued the discussion on the application on L-Cysteine hydrochloride monohydrate by fermentation with *Escherichia coli* KCCM 80109 and *Escherichia coli* KCCM 80197 for all animal species ([EFSA-Q-2019-00041](#)) and decided to inform the applicant on issues that require clarification.
- 4.6.** The participants continued the discussion on the application on GalliPro® Fit (*Bacillus subtilis* DSM 32324, *Bacillus subtilis* DSM 32325 and *Bacillus amyloliquefaciens* DSM 25840) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding ([EFSA-Q-2019-00117](#)) and minor poultry species and decided to inform the applicant on issues that require clarification.
- 4.7.** The participants continued the discussion on the application on L-lysine monohydrochloride for all animal species ([EFSA-Q-2019-00331](#)) and decided to inform the applicant on issues that require clarification.
- 4.8.** The participants continued the discussion on the application on L-Methionine produced by fermentation with *Corynebacterium glutamicum* KCCM 80184 and *Escherichia coli* K12

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



KCCM 80096 for all animal species ([EFSA-Q-2018-01017](#)) and finalised the characterisation of the production strain of the draft opinion.

- 4.9.** The participants continued the discussion on the application on IMP (disodium 5'-inosinate) produced by fermentation with *Corynebacterium ammoniagenes* KCCM 80161 for all animal species ([EFSA-Q-2019-00040](#)) and decided to inform the applicant on issues that require clarification.
- 4.10.** The participants discussed the application OptiPhos® PLUS (6-phytase) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding, minor poultry species for fattening, minor poultry species reared for laying, minor poultry species reared for breeding and ornamental birds ([EFSA-Q-2019-00303](#)) and decided to inform the applicant on issues that require clarification.
- 4.11.** The participants continued the discussion on the application on AveMix® XG 10 (endo-1,4-beta-xylanase and endo-1,3(4)-beta-glucanase) for chickens for fattening ([EFSA-Q-2018-00762](#)) and finalised the characterisation of the production strain of the draft opinion.
- 4.12.** The participants continued the discussion on the application on Avizyme 1505 (endo-1,4-beta-xylanase (EC 3.2.1.8) derived from *Trichoderma reesei*, alpha-amylase (EC 3.2.1.1) derived from *Bacillus amyloliquefaciens* and protease (EC 3.4.21.62) derived from *Bacillus subtilis*) for all ducks and all other poultry species (except breeders) ([EFSA-Q-2018-01040](#)) and finalised the characterisation of the production strain of the draft opinion.
- 4.13.** The participants discussed the application on *Bacillus subtilis* PB6 (*Bacillus subtilis* ATCC PTA-6737) for chickens for fattening, chickens reared for laying and minor poultry species (except for laying purpose) ([EFSA-Q-2019-00410](#)) and decided to inform the applicant on issues that require clarification.
- 4.14.** Item not discussed: L-Valine produced by fermentation with *Escherichia coli* K12 KCCM 80159 for all animal species ([EFSA-Q-2018-00712](#)).

## 5. Any Other Business

Not Applicable

## 6. Next meeting

27 November 2019



FEED UNIT

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

## MINUTES OF THE 19<sup>TH</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 11 October 2019**

**(Agreed on 11 October 2019)**

### Participants

- Working Group Members:  
Baltasar Mayo (Chair of the WG), Philip Ashton and Pier Sandro Cocconcelli
- Hearing Experts<sup>1</sup>:  
Carmen Peláez
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi, Elisa Pettenati and Frank Verdonck  
FIP Unit: Jaime Aguilera  
BIOHAZ Unit: Beatriz Guerra  
NUTRI Unit: Reinhard Ackerl  
PREV Unit: Frédérique Istace
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



EFSA welcomed the participants.

## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The participants continued the discussion on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain ([EFSA-Q-2019-00434](#)) and decided that further discussion is needed.

## 5. Any Other Business

Not Applicable

## 6. Next meeting

16 and 17 October 2019

---

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)





FEED UNIT

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

## MINUTES OF THE 18<sup>TH</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 3 October 2019**

**(Agreed on 3 October 2019)**

### Participants

- Working Group Members:  
Henrik Christensen, Boet Glandorf, Baltasar Mayo (Chair of the WG), Miguel Prieto Maradona and Maria Saarela.
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi, Elisa Pettenati, Gloria López Konstantinos Sofianidis and Jordi Tarrés-Call.
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

Apologies were received from Pier Sandro Cocconcelli and Yolanda Sanz.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted with changes. The agenda point 4.5 was added.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The participants continued the discussion on the application on L-tryptophan for all animal species ([EFSA-Q-2017-00610](#)) and finalised the characterisation of the production organism section of the draft opinion.
- 4.2.** The participants continued the discussion on the application on Danisco Xylanase 40000 G/Danisco Xylanase 40000 L (endo-1,4-beta-xylanase) for all ducks, all other poultry species (except breeders), piglets (weaned, suckling), pigs for fattening and minor growing porcine species ([EFSA-Q-2018-01039](#)) and decided to inform the applicant on issues that require clarification.
- 4.3.** The participants continued the discussion on the application on L-Methionine produced by fermentation with *Corynebacterium glutamicum* KCCM 80184 and *Escherichia coli* K12 KCCM 80096 for all animal species ([EFSA-Q-2018-01017](#)) and decided that further discussion is needed.
- 4.4.** The participants discussed the application on L-cystine (not less than: 98% L-cystine on dry matter basis) using strain NITE BP-02525 ([EFSA-Q-2019-00332](#)) and decided to inform the applicant on issues that require clarification.
- 4.5.** The participants discussion the application on ECONASE® XT (endo-1,4-beta-xylanase) for piglets (weaned), pigs for fattening, chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding and minor poultry species ([EFSA-Q-2019-00330](#)) and decided to inform the applicant on issues that require clarification.
- 4.6.** Item not discussed: OptiPhos® PLUS (6-phytase) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding, minor poultry species for fattening, minor poultry species reared for laying, minor poultry species reared for breeding and ornamental birds ([EFSA-Q-2019-00303](#)).

## 5. Any Other Business

Not Applicable

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



## 6. Next meeting

11 October 2019

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

## MINUTES OF THE 17<sup>TH</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 26 September 2019**

**(Agreed on 26 September 2019)**

### Participants

- Working Group Members:  
Philip Ashton, Christina Cuomo and Baltasar Mayo (Chair of the WG).
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi and Elisa Pettenati  
FIP Unit: Jaime Aguilera
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

No apologies were received.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The participants continued the discussion on the requirements for whole genome sequence analysis of microorganisms ([EFSA-Q-2019-00434](#)) and decided that further discussion is needed.

## 5. Any Other Business

Not Applicable

## 6. Next meeting

3 October 2019

---

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

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

## MINUTES OF THE 16<sup>TH</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 4 September 2019**

**(Agreed on 4 September 2019)**

### Participants

- Working Group Members:  
Baltasar Mayo, Miguel Prieto, Henrik Christensen and Maria Saarela  
Yolanda Sanz in agenda item 4.3
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi, Lucilla Gregoretti, Kostantinos Sofianidis, Maria Vittoria Vettori
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

No apologies were received.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted with changes. The agenda point 4.5 was added.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The participants discussed the application on TechnoSpore (*Bacillus coagulans* DSM 32016) for piglets (suckling and weaned), other growing suidae, chickens for fattening, other poultry for fattening and ornamental birds ([EFSA-Q-2019-00313](#)) and decided to inform the applicant on issues that require clarification.
- 4.2. The participants discussed the application on ECONASE® XT (endo-1,4-beta-xylanase) for piglets (weaned), pigs for fattening, chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding and minor poultry species ([EFSA-Q-2019-00330](#)) and decided to inform the applicant on issues that require clarification.
- 4.3. The participants discussed the application on the FINASE® EC (6-phytase) for pigs other than sows, sows, poultry for fattening and breeding other than turkeys for fattening, poultry for laying and turkeys ([EFSA-Q-2019-00333](#)) and decided to inform the applicant on issues that require clarification.
- 4.4. The participants discussed the application on L-cysteine monohydrochloride monohydrate by fermentation with *Escherichia coli* KCCM 80180 and *E. coli* KCCM 80181 for all animal species ([EFSA-Q-2018-00552](#)) and finalised the characterisation of the production organism section of the draft opinion.
- 4.5. The participants discussed the application on the Aextra® XAP 104 TPT (endo-1,4-beta-xylanase, alpha-amylase and protease) for chickens for fattening, laying hens and all minor poultry species ([EFSA-Q-2017-00717](#)) and decided that further discussion is needed.

## 5. Any Other Business

Not Applicable

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



## 6. Next meeting

3 October 2019



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

## MINUTES OF THE 15<sup>TH</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 2 September 2019**

**(Agreed on 2 September 2019)**

### Participants

- Working Group Members:  
Philip Ashton, Christina Cuomo and Baltasar Mayo.
- Hearing Experts<sup>1</sup>:  
John Louis Edward
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita and Rosella Brozzi  
FIP Unit: Jaime Aguilera and Ana Gomes  
PREV Unit: Kardassi Dimitra
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

No apologies were received.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The participants continued the discussion on the requirements for whole genome sequence analysis of microorganisms ([EFSA-Q-2019-00434](#)) and decided that further discussion is needed.

## 5. Any Other Business

Not Applicable

## 6. Next meeting

4 September 2019

---

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



FEED UNIT

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

## MINUTES OF THE 14<sup>TH</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 21 August 2019**

**(Agreed on 21 August 2019)**

### Participants

- Working Group Members:  
Baltasar Mayo, Yolanda Sanz, Miguel Prieto, Henrik Christensen, Lieve Herman, Maria Saarela and Pier Sandro Cocconcelli.
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi, Lucilla Gregoretti, Paola Manini and Elisa Pettenati  
FIP Unit: Jaime Aguilera in agenda point 5.1
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

No apologies were received.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted with changes. The agenda point 4.5 was added.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The participants continued the discussion on the application on L-threonine produced by *Escherichia coli* CGMCC 11473 ([EFSA-Q-2018-00695](#)) and finalised the relevant sections of the draft opinion.
- 4.2. The participants continued the discussion on the application on Natugrain® TS, Natugrain® TS L (endo-1,4-beta-xylanase and endo-1,4-beta-glucanase) for piglets (weaned), laying hens, chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding, turkeys for breeding purposes, ducks for fattening, all minor avian species for laying, minor poultry species for fattening (other than ducks for fattening) and ornamental birds ([EFSA-Q-2018-00417](#)) and decided to inform the applicant on issues that require clarification.
- 4.3. The participants discussed the application on 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-2017-00837](#)) and decided to inform the applicant on issues that require clarification.
- 4.4. The participants discussed the application on the L-isoleucine (minimum 93.4% of L-isoleucine expressed on dry matter) for all animal species ([EFSA-Q-2019-00361](#)) and decided that further discussion is needed.
- 4.5. The participants discussed the application on the vitamin B12 produced by *Ensifer adhaerens* SCM 2034 for all animal species ([EFSA-Q-2019-00319](#)) and decided to inform the applicant on issues that require clarification.
- 4.6. Items not discussed: Axtra® XAP 104 TPT (endo-1,4-beta-xylanase, alpha-amylase and protease) for chickens for fattening, laying hens and all minor poultry species ([EFSA-Q-2017-00717](#)).

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



## **5. Any Other Business**

- 5.1** The statement of the CEP Panel on the characterisation of microorganisms used for the production of food enzymes was presented to the WG and a discussion on its content took place.

## **6. Next meeting**

2 September 2019

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

## MINUTES OF THE 13<sup>TH</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 14 August 2019**

**(Agreed on 14 August 2019)**

### Participants

- Working Group Members:  
João André Carriço
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi and Elisa Pettenati
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

No apologies were received.

### 2. Adoption of agenda

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



The agenda was adopted without changes.

### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The participants continued the discussion on the requirements for the whole genome sequence analysis of microorganisms ([EFSA-Q-2019-00434](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)) and decided that more discussion is needed.

### 5. Any Other Business

Not applicable

### 6. Next meeting

21 August 2019

---

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



FEED UNIT

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

## MINUTES OF THE 12<sup>TH</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 17 July 2019**

**(Agreed on 17 July 2019)**

### Participants

- Working Group Members:  
Philip Ashton, João André Carriço, Christina Cuomo and Baltasar Mayo
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi and Elisa Pettenati  
Nutri Unit: Reinhard Ackerl
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

Apologies were received from John Louis Edward.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.





## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The participants continued the discussion on the requirements for the whole genome sequence analysis of microorganisms ([EFSA-Q-2019-00434](#)) and decided that more discussion is needed.

## 5. Any Other Business

Not applicable

## 6. Next meeting

21 August 2019

---

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



FEED UNIT

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

## MINUTES OF THE 11<sup>th</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**Meeting, 26 June 2019**

**(Agreed on 26 June 2019)**

### Participants

- Working Group Members:  
Henrik Christensen, Pier Sandro Cocconcelli, Boet Glandorf, Lieve Herman, Baltasar Mayo and Maria Saarela
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Rosella Brozzi, Elisa Pettenati and Jordi Tarrés-Call
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

Apologies were received from Miguel Maradona Prieto and Yolanda Sanz.

### 2. Adoption of agenda

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



The agenda was adopted with/without changes.

### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The Working Group continued the discussion of the application on Bafasal<sup>®</sup> (preparation four of bacteriophages infecting *Salmonella enterica* ser. Gallinarum 1) for all avian species ([EFSA-Q-2017-00724](#)) and finalised the relevant sections of the draft opinion.
- 4.2.** The Working Group discussed the application on (L-Lysine monohydrochloride/concentrated liquid L-lysine produced by fermentation with *Corynebacterium casei* KCCM80190 for all animal species ([EFSA-Q-2019-00195](#)) and decided to inform the applicant on issues that require clarification.
- 4.3.** The Working Group discussed the application on L-lysine sulphate produced by fermentation with *Corynebacterium glutamicum* KFCC 11043 for all animal species ([EFSA-Q-2019-00194](#)) and decided to inform the applicant on issues that require clarification.
- 4.4.** The Working Group discussed the application on L-isoleucine produced by fermentation with *Corynebacterium glutamicum* KCCM 80189 for all animal species ([EFSA-Q-2019-00293](#)) and decided to inform the applicant on issues that require clarification.
- 4.5.** The Working Group continued the discussion of the application on ECONASE<sup>®</sup> XT (endo-1,4-beta-xylanase) for piglets (weaned), chickens for fattening, chickens reared for laying, turkeys for fattening and turkey reared for breeding ([EFSA-Q-2018-00824](#)) and finalised the relevant parts of the characterisation of the additive section of the draft opinion.

### 5. Any Other Business

Not Applicable

### 6. Next meeting(s)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

10 July 2019



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

## MINUTES OF THE 10<sup>th</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**Meeting, 12 June 2019**

**(Agreed on 12 June 2019)**

### Participants

- Working Group Members:  
Henrik Christensen, Pier Sandro Cocconcelli, Boet Glandorf, Lieve Herman, Baltasar Mayo, Miguel Maradona Prieto, Maria Saarela and Yolanda Sanz.
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi, Elisa Pettenati and Konstantinos Sofianidis
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

No apologies were received.

### 2. Adoption of agenda

The agenda was adopted with/without changes.

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work :  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The Working Group continued the discussion of the application on Bafasal® (preparation four of bacteriophages infecting *Salmonella enterica* ser. Gallinarum 1) for all avian species ([EFSA-Q-2017-00724](#)) and decided to inform the applicant on issues that require clarifications.
- 4.2. The Working Group discussed the application on L-lysine formulated as L-lysine monohydrochloride and L-lysine sulphate ([EFSA-Q-2018-00427](#)) and decided to inform the applicant on issues that require clarifications.
- 4.3. The Working Group discussed the application on L-lysine monohydrochloride and concentrated liquid L-lysine (base) ([EFSA-Q-2018-00266](#)) and finalised the characterisation of the production organism section of the draft opinion.
- 4.4. The Working Group discussed the application on 25-hydroxycholecalciferol for pigs and poultry ([EFSA-Q-2019-00104](#)) and decided that further discussion is needed.
- 4.5. The Working Group continued the discussion of the application on Sorbiflore® (*Lactobacillus rhamnosus* CNCM I-3698 and *Lactobacillus farciminis* CNCM I-3699) for chickens for fattening ([EFSA-Q-2017-00756](#)) and decided to inform the applicant on issues that require clarification.

### 5. Any Other Business

Not Applicable

### 6. Next meeting(s)

26 June 2019

---

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



FEED UNIT

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

## MINUTES OF THE 9<sup>TH</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**Valencia, 23-24 May 2019**

**(Agreed on 5 June 2019)**

### Participants

- Working Group Members:  
Henrik Christensen, Lieve Herman, Baltasar Mayo, Miguel Prieto Maradona and Yolanda Sanz.  
Maria Saarela via tele-web conference in agenda points 4.1, 4.2, 4.3, 4.4, 4.5, 4.7, 4.8 and 4.9.  
Pier Sandro Cocconcelli via tele-web conference in agenda point 5.
- Hearing Experts<sup>1</sup>:  
Luisa Peixe in agenda point 5.  
Barbara Murray via tele-web conference in agenda point 5.
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi, Sandra Correia (in agenda point 5), Orsolya Holczknecht, Elisa Pettenati, Konstantinos Sofianidis, Jordi Tarrés-Call and Maria Vittoria Vettori.
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work :  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



EFSA welcomed the participants.

No apologies were received.

## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The Working Group discussed the application on Nutrase P (6-phytase) for chickens for fattening, other poultry for fattening, reared for laying and ornamental birds ([EFSA-Q-2019-00155](#)) and decided to inform the applicant on issues that require clarification.
- 4.2.** The Working Group continued the discussion of the application on L-cysteine monohydrochloride monohydrate by fermentation with *Escherichia coli* KCCM 80180 and *E. coli* KCCM 80181 for all animal species ([EFSA-Q-2018-00552](#)) and decided to inform the applicant on issues that require clarification.
- 4.3.** The Working Group continued the discussion of the application on *Bacillus licheniformis* DSM 32457 for all animal species ([EFSA-Q-2018-00690](#)) and finalised the characterisation of the active agent section of the draft opinion.
- 4.4.** The Working Group continued the discussion of the application on Sorbiflore® (*Lactobacillus rhamnosus* CNCM I-3698 and *Lactobacillus farciminis* CNCM I-3699) for chickens for fattening ([EFSA-Q-2017-00756](#)) and decided that further discussion is needed.
- 4.5.** The Working Group continued the discussion of the application on *Lactobacillus rhamnosus* CNCM I-3698 and *Lactobacillus farciminis* CNCM I-3699 for all animal species ([EFSA-Q-2017-00754](#)) and decided that further discussion is needed.
- 4.6.** The Working Group continued the discussion of the application on L-lysine monohydrochloride and concentrated liquid L-lysine (base) for all animal species ([EFSA-Q-2018-00507](#)) and finalised the characterisation of the production organism section of the draft opinion.
- 4.7.** The Working Group continued the discussion of the application on L-histidine monohydrochloride monohydrate for other fin fish ([EFSA-Q-2018-00546](#)) and decided to inform the applicant on issues that require clarification.
- 4.8.** The Working Group continued the discussion of the application on L-glutamine produced using strain *Corynebacterium glutamicum* NITE BP-02524 for all animal species ([EFSA-Q-](#)

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)





[2018-00063](#)) and finalised the characterisation of the production organism section of the draft opinion

- 4.9.** The Working Group discussed the application on Amaferm (fermentation product of *Aspergillus oryzae* NRRL 458) for dairy cows ([EFSA-Q-2016-00833](#)) and finalised the characterisation of the production organism section of the draft opinion.
- 4.10.** The Working Group discussed the application on 25-hydroxycholecalciferol for pigs and poultry ([EFSA-Q-2019-00104](#)) and decided to inform the applicant on issues that require clarification.
- 4.11.** The Working Group discussed the application on GalliPro® Fit (*Bacillus subtilis* DSM 32324, *B. subtilis* DSM 32325 and *Bacillus amyloliquefaciens* DSM 25840) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding and minor poultry species ([EFSA-Q-2011-00148](#)) and decided to inform the applicant on issues that require clarification.
- 4.12.** The Working Group discussed the application on red-carotenoid rich *Paracoccus carotinifaciens* (Panaferd-AX) for salmon and trout ([EFSA-Q-2017-00694](#)) and decided to inform the applicant on issues that require clarification.
- 4.13.** Items not discussed: Bafasal® (preparation of bacteriophages F/00069, F/00070, F/00071 and F/00097 infecting *Salmonella enterica* ser. Gallinarum 1) as a feed additive for all avian species ([EFSA-Q-2017-00724](#)), L-lysine monohydrochloride and concentrated liquid L-lysine (base) for all animal species ([EFSA-Q-2018-00266](#)).

## 5. Any Other Business

The WG discussed new data on *Enterococcus faecium* virulence factors that have become available.

## 6. Next meeting(s)

12 June 2019

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

## MINUTES OF THE 8<sup>TH</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 17 April 2019**

**(Agreed on 17 April 2019)**

### Participants

- Working Group Members:  
Henrik Christensen, Boet Glandorf, Lieve Herman, Baltasar Mayo, Miguel Prieto Maradona and Yolanda Sanz.
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi, Orsolya Holczknecht, Elisa Pettenati, Konstantinos Sofianidis, Jordi Tarrés-Call and Maria Vittoria Vettori
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

Apologies were received from Maria Saarela.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1.** The Working Group continued the discussed the application on ELANCOBAN<sup>®</sup> G200 (monensin sodium) for chickens for fattening, chickens reared for laying, turkeys ([EFSA-Q-2013-00752](#)) and finalised the characterisation of the production organism section of the draft opinion.
- 4.2.** The Working Group discussed the application on L-Tryptophan produced by fermentation with *Corynebacterium glutamicum* KCCM 80176 ([EFSA-Q-2018-00451](#)) and finalised the characterisation of the production organism section of the draft opinion.
- 4.3.** The Working Group discussed the application on L-Tryptophan for all animal species ([EFSA-Q-2017-00610](#)) and decided to inform the applicant on issues that require clarification.
- 4.4.** The Working Group discussed the application on L-Threonine produced by *Escherichia coli* CGMCC 11473 for all animal species ([EFSA-Q-2018-00695](#)) and decided to inform the applicant on issues that require clarification.
- 4.5.** The Working Group discussed the application on L-tryptophan produced by fermentation with *Escherichia coli* KCCM 10534 for all animal species ([EFSA-Q-2018-00545](#)) and decided to inform the applicant on issues that require clarification.
- 4.6.** The Working Group discussed the application on Bafasal<sup>®</sup> (preparation four of bacteriophages infecting *Salmonella enterica* ser. Gallinarum 1) for all avian species ([EFSA-Q-2017-00724](#)) and decided that further discussion is needed.
- 4.7.** The Working Group discussed the application on L-Cysteine hydrochloride monohydrate by fermentation with *Escherichia coli* KCCM 80109 and *E. coli* KCCM 80197 for all animal species ([EFSA-Q-2019-00041](#)) and decided to inform the applicant on issues that require clarification.
- 4.8.** Item not discussed: 25-hydroxycholecalciferol for pigs and poultry ([EFSA-Q-2019-00104](#)).

## 5. Any Other Business

Not Applicable

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

## **6. Next meeting(s)**

23 and 24 May 2019

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

## MINUTES OF THE 7<sup>TH</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 10 April 2019**

**(Agreed on 10 April 2019)**

### Participants

- Working Group Members:  
Baltasar Mayo
- Hearing Experts<sup>1</sup>:  
João André Carriço
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi, and Elisa Pettenati  
FIP Unit: Jaime Aguilera and Ana Gomes  
BIOCONTAM Unit: Beatriz Guerra
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants.

Apologies were received from Reinhard Ackerl.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Hearing Expert (s)

João André Carriço was invited to present his views for item 5.1 of the present meeting.

## 5. Scientific topic(s) for discussion

- 5.1. The participants discussed the requirements for the whole genome sequence analysis of microorganisms used as food/feed additives and as production strains.

## 6. Any Other Business

Not applicable

## 7. Next meeting

17 April 2019

---

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

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

## MINUTES OF THE 6<sup>TH</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 22 March 2019**

**(Agreed on 22 March 2019)**

### Participants

- Working Group Members:  
Henrik Christensen, Lieve Herman, Baltasar Mayo and Miguel Prieto Maradona
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi and Elisa Pettenati
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants. Apologies received from Yolanda Sanz.

### 2. Adoption of agenda

The agenda was adopted without changes.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The Working Group discussed the application on IMP (disodium 5'-inosinate) produced by fermentation with *Corynebacterium ammoniagenes* KCCM 80161 for all animal species ([EFSA-Q-2019-00040](#)) and decided to inform the applicant on issues that require clarification.
- 4.2. The Working Group discussed the application on PHYZYME® XP 10000 TPT and PHYZYME® XP 10000 L for all avian species and all swine species ([EFSA-Q-2018-00516](#)) and finalised the characterisation of the active agent section of the draft opinion.
- 4.3. The Working Group discussed the application on L-Tryptophan produced by fermentation with *Escherichia coli* K12 KCCM 80152 for all animal species ([EFSA-Q-2017-00693](#)) and finalised the characterisation of the active agent section of the draft opinion.
- 4.4. The Working Group discussed the application on L-Tryptophan produced by fermentation with *Escherichia coli* K12 KCCM 80135 ([EFSA-Q-2017-00542](#)) and finalised the characterisation of the active agent section of the draft opinion.
- 4.5. Item not discussed: L-histidine monohydrochloride monohydrate for other fin fish ([EFSA-Q-2018-00546](#)).

### 5. Any Other Business

Not applicable

### 6. Next meeting

10 April 2019

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



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

## MINUTES OF THE 5<sup>TH</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 6 March 2019**

**(Agreed on 6 March 2019)**

### Participants

- Working Group Members:  
Henrik Christensen, Boet Glandorf, Baltasar Mayo, Miguel Prieto Maradona and Maria Saarela
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi, Matteo Innocenti, Gloria López and Elisa Pettenati
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants. Apologies were received from Yolanda Sanz.

### 2. Adoption of agenda

The agenda was adopted with changes. An item was added under point 5.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



### 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The Working Group discussed the application on gellan gum for cats and dogs ([EFSA-Q-2018-00815](#)) and decided to inform the applicant on issues that require clarification.
- 4.2. The Working Group discussed the application on L-Methionine produced by fermentation with *Corynebacterium glutamicum* KCCM 80184 and *Escherichia coli* K12 KCCM 80096 for all animal species ([EFSA-Q-2018-01017](#)) and decided to inform the applicant on issues that require clarification.
- 4.3. The Working Group discussed the application on MSG (monosodium L-glutamate) produced by fermentation with *Corynebacterium glutamicum* KCCM 80188 for all animal species ([EFSA-Q-2019-00037](#)) and decided to inform the applicant on issues that require clarification.
- 4.4. The Working Group discussed the application on Danisco Xylanase (endo-1,4-beta-xylanase) for all ducks, all other poultry species (except breeders), piglets (weaned, suckling), pigs for fattening and minor growing porcine species ([EFSA-Q-2018-01039](#)) and decided to inform the applicant on issues that require clarification.
- 4.5. The Working Group discussed the application on Avizyme 1505 (endo-1,4-beta-xylanase (EC 3.2.1.8) derived from *Trichoderma reesei*, alpha-amylase (EC 3.2.1.1) derived from *Bacillus amyloliquefaciens* and protease (EC 3.4.21.62) derived from *Bacillus subtilis*) for all ducks and all other poultry species (except breeders) ([EFSA-Q-2018-0104](#)) and decided to inform the applicant on issues that require clarification.

### 5. Any Other Business

The WG discussed the susceptibility of *Saccharomyces* spp. to clinically relevant antimycotics.

### 6. Next meeting

22 March 2019

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

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

## MINUTES OF THE 4<sup>TH</sup> MEETING OF THE WORKING GROUP ON MICROBIOLOGY

**TELE-conference, 20 February 2019**

**(Agreed on 20 February 2019)**

### Participants

- Working Group Members:  
Herman Lieve, Mayo Baltasar, Miguel Prieto Maradona and Maria Saarela
- Hearing Experts<sup>1</sup>:  
Not Applicable
- European Commission and/or Member States representatives:  
Not Applicable
- EFSA:  
Feed Unit: Montserrat Anguita, Rosella Brozzi, Elisa Pettenati, Fabiola Pizzo and Jordi Tarrés
- Others:  
Not Applicable

### 1. Welcome and apologies for absence

EFSA welcomed the participants. Apologies were received from Henrik Christensen and Yolanda Sanz.

---

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.



## 2. Adoption of agenda

The agenda was adopted with changes. Items 4.5, 4.6 and 4.7 were included.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>2</sup> and the Decision of the Executive Director on Competing Interest Management<sup>3</sup>, 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. Scientific topic(s) for discussion

- 4.1. The Working Group discussed the application on L-Valine produced by fermentation with *Escherichia coli* K12 KCCM 80159 for all animal species ([EFSA-Q-2018-00712](#)) and decided to inform the applicant on issues that require clarification.
- 4.2. The Working Group discussed the application on L-glutamine produced by *Corynebacterium glutamicum* NITE BP-02524 for all animal species ([EFSA-2018-00693](#)) and decided to inform the applicant on issues that require clarification.
- 4.3. The Working Group continued the discussion on the application on CIBENZA® PHYTAVERSE® G10, CIBENZA® PHYTAVERSE® L10 (6-phytase) for piglets (weaned), pigs for fattening, sows for reproduction, minor porcine species, chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, minor avian species excluding laying birds, minor avian species for laying ([EFSA-Q-2018-00421](#)) and decided to inform the applicant on issues that require clarification.
- 4.4. The Working Group discussed the application on L-histidine monohydrochloride monohydrate produced by *Escherichia coli* NITE BP-02526 for all animal species ([EFSA-Q-2018-00782](#)) and decided to inform the applicant on issues that require clarification.
- 4.5. The Working Group continued the discussion on the application on L-lysine monohydrochloride and L-lysine sulphate produced by *Corynebacterium glutamicum* CCTCC M 2015595 for all animal species ([EFSA-Q-2016-00574](#)) and finalised the characterisation of the production organism section of the draft opinion.
- 4.6. The Working Group discussed the application on ECONASE® XT (endo-1,4-beta-xylanase) for piglets (weaned), chickens for fattening, chickens reared for laying, turkeys for fattening and turkey reared for breeding

<sup>2</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)



**([EFSA-Q-2018-00824](#)) and decided to inform the applicant on issues that require.**

**4.7. The Working Group continued the discussion of the application on L-Arginine with *Corynebacterium glutamicum* KCCM 80182 for all animal species ([EFSA-Q-2018-00612](#)) and finalised the characterisation of the production organism and manufacturing process sections of the draft opinion.**

## **5. Any Other Business**

Not Applicable

## **6. Next meeting(s)**

6 March 2019

## Scientific Panel on Additives and Products or Substances Used in Animal Feed

### Minutes of the 3<sup>rd</sup> meeting of the Working Group on Microbiology

**Parma, 30-31 January 2019**

**(Agreed on 31 January 2019)<sup>1</sup>**

#### **Participants**

- **Working Group Members:**

Henrik Christensen, Boet Glandorf, Herman Lieve, Mayo Baltasar, Miguel Prieto Maradona, Maria Saarela and Yolanda Sanz.

- **Hearing Experts<sup>2</sup>:**

Not Applicable

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

Not Applicable

- **EFSA:**

Feed Unit: Montserrat Anguita, Rosella Brozzi, Jaume Galobart, Orsolya Holczknecht, Matteo Innocenti, Paola Manini, Elisa Pettenati, Fabiola Pizzo, Jordi Tarrés, Frank Verdonck and Maria Vittoria Vettori.

#### **1. Welcome and apologies for absence**

---

<sup>1</sup> Minutes should be published within 15 working days of the final day of the relevant meeting. This provision does not apply to Pesticides Risk Assessment Peer Review meetings, which should follow the steps stated in Article 6 of the Decision of the Executive Director of the European Food Safety Authority concerning Pesticides Risk Assessment Peer Review ([http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/eddecisionppr.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/eddecisionppr.pdf)).

<sup>2</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work: <http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.

No apologies were received.

## 2. Adoption of agenda

The agenda was adopted with changes.

Items 4.9 and 4.10 were included.

## 3. Declarations of Interest of Working Groups 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 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. Scientific topic(s) for discussion

- 4.1. The Working Group continued the discussion on the application on L-Arginine produced with *Corynebacterium glutamicum* KCCM 80182 for all animal species ([EFSA-Q-2018-00612](#)) and decided to inform the applicant on issues that require clarification.
- 4.2. The Working Group continued the discussion on the application on L-threonine produced by *Escherichia coli* CGMCC 11473 for all animal species ([EFSA-2018-00695](#)) and decided to inform the applicant on issues that require clarification.
- 4.3. The Working Group continued the discussion on the application on L-leucine produced by fermentation with *Escherichia coli* (NITE BP-02351) as a feed additive for all animal species- ([EFSA-Q-2018-00548](#)) and decided to inform the applicant on issues that require clarification.
- 4.4. The Working Group discussed the application on L-cysteine monohydrochloride monohydrate by fermentation with *Escherichia coli* KCCM 80180 and *Escherichia coli* KCCM 80181 for all animal species ([EFSA-Q-2018-00552](#)) and decided to inform the applicant on issues that require clarification.
- 4.5. The Working Group continued the discussion on the application on ELANCOBAN<sup>®</sup> G200 (monensin sodium) for chickens for fattening,

<sup>3</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>4</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

chickens reared for laying, turkeys ([EFSA-Q-2013-00752](#)) and finalised the characterisation of the active agent section of the draft opinion.

- 4.6. The Working Group continued the discussion on the application on ProEquo<sup>®</sup> (*Lactobacillus plantarum* DSM 115 20) for horses ([EFSA-Q-2017-00023](#)) and finalised the characterisation of the active agent and of the additive sections of the draft opinion.
- 4.7. The Working Group continued the discussion on the application on Cinergy<sup>®</sup> Life B3 HiCon (*Bacillus amyloliquefaciens* AGTP BS918/NRRL B-50508, *Bacillus amyloliquefaciens* AGTP BS1013/NRRL B-50509, *Bacillus subtilis* AGTP BS3BP5/NRRL B-50510) for pigs for fattening and minor porcine species ([EFSA-Q-2017-00746](#)) and decided to present the draft document, modified accordingly, to the plenary meeting.
- 4.8. The Working Group continued the discussion on the application on Bafasal<sup>®</sup> (preparation four of bacteriophages infecting *Salmonella enterica* ser. Gallinarum 1) for all avian species ([EFSA-Q-2017-00724](#)) and decided to inform the applicant on issues that require clarification.
- 4.9. The Working Group discussed the application on *Bacillus licheniformis* DSM 32457 as a silage additive for all animal species ([EFSA-Q-2018-00690](#)) and decided to inform the applicant on issues that require clarification.
- 4.10. The Working Group continued the discussion on the application/draft opinion on Probion Forte<sup>®</sup> (*Bacillus subtilis* KCCM 10941P and *Bacillus coagulans* KCCM 11093P) for laying hens, chickens for fattening and chickens reared for laying ([EFSA-Q-2018-00993](#)) and decided to present the draft document, modified accordingly, to the plenary meeting.
- 4.11. The Working Group discussed the application on L-histidine monohydrochloride monohydrate for other fin fish ([EFSA-Q-2018-00546](#)) and decided to inform the applicant on issues that require clarification.
- 4.12. Items not discussed: L-lysine monohydrochloride and concentrated liquid L-lysine (base) for all animal species ([EFSA-Q-2018-00507](#)), and PHYZYME<sup>®</sup> XP 10000 TPT and PHYZYME<sup>®</sup> XP 10000 L for all avian species and all swine species ([EFSA-Q-2018-00516](#)).

## 5. Any Other Business

The WG discussed two working documents produced by the QPS WG of the BIOHAZ Panel, relevant to the work of this WG.



## **6. Next meeting**

20 February 2019

## Scientific Panel on Additives and Products or Substances Used in Animal Feed

### Minutes of the 2<sup>nd</sup> meeting of the Working Group on Microbiology

**TELE-conference, 11 January 2019**

**(Agreed on 11 January 2019)<sup>1</sup>**

#### **Participants**

- **Working Group Members:<sup>2</sup>**

Boet Glandorf, Herman Lieve, Mayo Baltasar and Maria Saarela.

- **Hearing Experts<sup>3</sup>:**

Not Applicable

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

Not Applicable

- **EFSA:**

Feed Unit: Rosella Brozzi, Montserrat Anguita and Elisa Pettenati

#### **1. Welcome and apologies for absence**

No apologies were received.

---

<sup>1</sup> Minutes should be published within 15 working days of the final day of the relevant meeting. This provision does not apply to Pesticides Risk Assessment Peer Review meetings, which should follow the steps stated in Article 6 of the Decision of the Executive Director of the European Food Safety Authority concerning Pesticides Risk Assessment Peer Review ([http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/eddecisionppr.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/eddecisionppr.pdf)).

<sup>2</sup> Indicate first full name and then surname (John Smith) all throughout the document.

<sup>3</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work: <http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.

## 2. Adoption of agenda

The agenda was adopted without changes.

## 3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence<sup>4</sup> and the Decision of the Executive Director on Competing Interest Management<sup>5</sup>, 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. Scientific topic(s) for discussion

- 4.1. The Working Group continued the discussion on the application on L-Tryptophan produced by fermentation with *Escherichia coli* K12 KCCM 80152 for all animal species ([EFSA-Q-2017-00693](#)) to inform the applicant on issues that require clarification.
- 4.2. The Working Group continued the discussion on the application on L-Tryptophan produced by fermentation with *Escherichia coli* K12 KCCM 80135 ([EFSA-Q-2017-00542](#)) and decided to inform the applicant on issues that require clarification.
- 4.3. The Working Group continued the discussion on the application on L-Threonine produced by fermentation with *Corynebacterium glutamicum* KCCM 80118 ([EFSA-Q-2018-00084](#)) and decided to present the draft opinion, modified accordingly, at the plenary meeting.
- 4.4. The Working Group continued the discussion on the application on L-Tryptophan produced by fermentation with *Corynebacterium glutamicum* KCCM 80176 ([EFSA-2018-00451](#)) to inform the applicant on issues that require clarification.
- 4.5. The Working Group continued the discussion on the application on L-tryptophan for all animal species ([EFSA-Q-2017-00610](#)) and decided to present the draft opinion, modified accordingly, at the plenary meeting.

---

<sup>4</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>5</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

4.6. The following items were not discussed: L-leucine produced using strain NITE BP-02351 for all animal species ([EFSA-Q-2018-00548](#)) and L-histidine monohydrochloride monohydrate for other fin fish ([EFSA-Q-2018-00546](#)).

## **5. Next meeting(s)**

30-31 January 2019

## Scientific Panel on Additives and Products or Substances Used in Animal Feed

### Minutes of the 1<sup>st</sup> meeting of the Working Group on Microbiology

**TELE-conference, 11 December 2018**

**(Agreed on 11 December 2018)<sup>1</sup>**

#### **Participants**

- **Working Group Members:<sup>2</sup>**

Boet Glandorf, Lieve Herman, Baltasar Mayo and Maria Saarela.

- **Hearing Experts<sup>3</sup>:**

Not Applicable

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

Not Applicable

- **EFSA:**

Feed Unit: Montserrat Anguita, Rosella Brozzi and Elisa Pettenati.

#### **1. Welcome and apologies for absence**

The EFSA representative welcomed the participants to the first meeting of the Working Group on Microbiology of the FEEDAP Panel.

---

<sup>1</sup> Minutes should be published within 15 working days of the final day of the relevant meeting. This provision does not apply to Pesticides Risk Assessment Peer Review meetings, which should follow the steps stated in Article 6 of the Decision of the Executive Director of the European Food Safety Authority concerning Pesticides Risk Assessment Peer Review ([http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/eddecisionppr.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/eddecisionppr.pdf)).

<sup>2</sup> Indicate first full name and then surname (John Smith) all throughout the document.

<sup>3</sup> As defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee, the Scientific Panels, and the selection of external experts to assist EFSA with its scientific work: <http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>.

No apologies were received.

## **2. Adoption of agenda**

The agenda was adopted without changes.

## **3. Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence<sup>4</sup> and the Decision of the Executive Director on Competing Interest Management<sup>5</sup>, 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. Scientific topic(s) for discussion**

- 4.1. The Working Group continued the discussion on the draft opinion on L-tryptophan, technically pure produced by Escherichia coli CGMCC 7248 for all animal species ([EFSA-Q-2017-00485](#)) and decided to present the draft opinion, modified accordingly, at the plenary meeting.
- 4.2. The Working Group discussed the application on Natugrain TS and TSL for piglets (weaned), laying hens, chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding, turkeys for breeding purposes, ducks for fattening, all minor avian species for laying, minor poultry species for fattening (other than ducks for fattening), and ornamental birds ([EFSA-Q-2018-00417](#)) and decided to inform the applicant on issues that require clarification.
- 4.3. The Working Group discussed the application on PHYZYME® XP 10000 TPT and PHYZYME® XP 10000 L for all avian species and all swine species ([EFSA-Q-2018-00516](#)) and decided to inform the applicant on issues that require clarification.
- 4.4. The Working Group discussed the application on L-lysine monohydrochloride and concentrated liquid L-lysine (base) for all animal species ([EFSA-Q-2018-00507](#)) and decided to inform the applicant on issues that require clarification.

---

<sup>4</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/policy\\_independence.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf)

<sup>5</sup> [http://www.efsa.europa.eu/sites/default/files/corporate\\_publications/files/competing\\_interest\\_management\\_17.pdf](http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf)

- 4.5. The Working Group discussed the application on L-Arginine produced with *Corynebacterium glutamicum* KCCM 80182 for all animal species ([EFSA-Q-2018-00612](#)) and decided to inform the applicant on issues that require clarification.
- 4.6. The Working Group continued the discussion on the application on L-Tryptophan produced by fermentation with *Escherichia coli* K12 KCCM 80152 for all animal species ([EFSA-Q-2017-00693](#)) and decided to inform the applicant on issues that require clarification.
- 4.7. The Working Group continued the discussion on the application on L-Tryptophan produced by fermentation with *Corynebacterium glutamicum* KCCM 80176 ([EFSA-Q-2018-00451](#)) and decided to to inform the applicant on issues that require clarification.
- 4.8. The Working Group continued the discussion on the application on L-Histidine monohydrochloride monohydrate (feed grade) produced by fermentation with *Corynebacterium glutamicum* KCCM 80172 ([EFSA-Q-2018-00438](#)) and decided that further discussion is needed.
- 4.9. The following items were not discussed: and L-Threonine produced by fermentation with *Corynebacterium glutamicum* KCCM 80118 ([EFSA-Q-2018-00084](#)) and L-Tryptophan produced by fermentation with *Escherichia coli* K12 KCCM 80135 ([EFSA-Q-2017-00542](#)).

## **5. Any Other Business**

## **6. Next meeting(s)**

11 January 2019