105th Working Group meeting on Microbiology

ersa EUROPEAN FOOD SAFETY AUTHORITY

26 November 2025 09:00-13:00 MINUTES – Agreed in November 2025

Location: Web conference

Attendees:

- Working Group Members:
 Boet Glandorf, Maria Saarela, Lieve Herman, Henrik Christensen, Pier Sandro Cocconcelli,
 Baltasar Mayo, Miguel Prieto Maradona
- European Commission and/or Member States representatives:
 Fabien Schneegans¹
- EFSA:
 FEEDCO Unit: Montserrat Anguita Freixa, Nicole Bozzi Cionci, Rosella Brozzi,
 Yolanda García-Cazorla, Orsolya Holczknecht, Elisa Pettenati, Fabiola Pizzo, Joana Revez,
 Sofia Sandalli, Piera Valeri

I. Welcome and apologies for absence

The Chair welcomed the participants.

II. Adoption of agenda

The agenda was adopted with a change. The agenda point 1.7 was added.

III. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management,³ 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 Working Group members at the beginning of these meetings.

IV. Scientific topics for discussion¹

1.1. Draft opinion on: Safety and efficacy of a feed additive consisting of lactic acid produced with Heyndrickxia coagulans DSM 23965, Bacillus smithii DSM 34597, Parageobacillus thermoglucosidasius DSM 34603 or DSM 34604 or Caldibacillus thermoamylovorans DSM 23963 for all animal species. Applicant: Purac Biochem B.V (EFSA-Q-2025-00288)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that require clarification.

1.2. Draft opinion on: Safety and efficacy of a feed additive consisting of narasin and diclazuril (Interban®) for chickens for fattening and chickens reared for laying. Applicant: Elanco GmbH (EFSA-Q-2023-00748)

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

¹ Attended the discussion on AOB.

³ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

MEETING MINUTES - 26 November 2025 105th Working Group meeting on Microbiology



The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and finalised the relevant sections of the draft opinion.

1.3. Draft opinion on: Safety and efficacy of a feed additive consisting of L-valine produced with *Escherichia coli* CCTCC M 2022134 for all animal species. *Applicant: Langfang Meihua Bio-Technology Co., Ltd* (<u>EFSA-Q-2024-00697</u>)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that require clarification.

1.4. Draft opinion on: L-Lysine produced with *Corynebacterium glutamicum KCCM* 80368 or *Corynebacterium glutamicum* KCCM 80479 as nutritional and sensory additive for all animal species. *Applicant: CJ Europe GmbH*. (EFSA-Q-2025-00012)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that require clarification.

1.5. Draft opinion on: Safety and efficacy of a feed additive consisting of L-lysine monohydrochloride and Liquid L-lysine produced with *Corynebacterium glutamicum* KCCM 80368 or KCCM 80479 for all animal species as nutritional and sensory additive. *Applicant: CJ Europe GmbH.* (EFSA-Q-2024-00723)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that require clarification.

1.6. Draft opinion on: Safety and efficacy of a feed additive consisting of Riboflavin (vitamin B₂) produced by Saccharomyces cerevisiae CEN.PK113-7D for all animal species. Applicant: Amyris Inc. (EFSA-Q-2022-00846)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that require clarification.

1.7. Draft opinion on: Safety and efficacy of a feed additive consisting of vitamin B12 (cyanocobalamin) produced by fermentation with *Ensifer adhaerens* CICC 11008s for all animal species. *Applicant: Orffa Additives B.V.* (EFSA-Q-2024-00521)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and finalised the relevant sections of the draft opinion.

V. AOB.

The WG had a general discussion on the use of ionophoric coccidiostats in feed and the potential risk of co-selection of antimicrobial resistance.

VI. Next meeting

The next meeting will be held on 17 December 2025 via web conference.

104th Working Group meeting on Microbiology

efsa EUROPEAN FOOD SAFETY AUTHORITY

13 October //15-16 October 09:00-16:00 // 09:00-16:00/09:00-16:00 MINUTES - Agreed on 16 October 2025

Location: Web conference (13 October) and Parma, EFSA (15 and 16 October)

Attendees:

o Working Group Members:

Boet Glandorf¹, Maria Saarela², Lieve Herman², Henrik Christensen, Pier Sandro Cocconcelli, Baltasar Mayo², Miguel Prieto Maradona², Andrey Yurkov²

Hearing Experts³: Kevin Verstrepen⁴, José Barat⁴

EFSA:

FEEDCO Unit: Rosella Brozzi, Nicole Bozzi Cionci, Yolanda García-Cazorla, Eleni Gkimprixi

Elisa Pettenati, Sofia Sandalli, Piera Valeri FIP Unit: Jaime Entrena Aguilera, Silvia Peluso

BIOHAW Unit: Sandra Luisa De Almeida Florentino Correia

iDATA Unit: Giovanni Iacono

ED Team Chief Scientist Office: Estefanía Fernández Noriega,

Konstantinos Paraskevopoulos

Welcome and apologies for absence

The Chair welcomed the participants.

Apologies were received from Stéphane Bretagne.

II. Adoption of agenda

The agenda was adopted without changes.

III. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence⁵ and the Decision of the Executive Director on Competing Interest Management,⁶ EFSA screened the Annual Declarations of Interest filled out by the Working Group (WG) 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 Working Group members at the beginning of these meetings.

IV. Scientific topics for discussion

1. Request to provide scientific and technical assistance on existing processes to remove recombinant DNA from fermentation products produced using genetically modified microorganisms (<u>EFSA-Q-2025-00411</u>)

The WG discussed the draft technical report, and in particular assessed data regarding product characterisation and production processes. After amendments, the draft will be finalised.

¹ Chair of the working group for 15 and 16 October

² Attended only 15 and 16 October

³ As defined in Article 34 of the document "Implementing Rule of the Management Board of the European Food Safety Authority laying down the rules on the selection, appointment and operations of the Scientific Committee, Scientific Panels and of their Working Groups": https://www.efsa.europa.eu/sites/default/files/paneloperation.pdf

⁴ Attended only 13 October

⁵ 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/competing_interest_management_17.pdf

MEETING MINUTES – 13, 15-16 October 2025 104th Working Group meeting on Microbiology



2. Draft opinion on: Application for 6-phytase produced with *Trichoderma reesei* as zootechnical additive for piglets, pigs for fattening, chickens for fattening and reared for laying, turkeys for fattening and reared for breeding, other-and-minor growing poultry species and reared for laying/breeding and other-and-minor growing porcine [Art.4] Applicant: ADISSEO (EFSA-Q-2023-00899)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that required clarification.

3. Draft opinion on: Application for endo-1,4-beta-xylanase (EC 3.2.1.8) produced with *Trichoderma reesei* CBS 146249 as zootechnical additive for poultry and pigs. Applicant: Genencor International B.V. (<u>EFSA-Q-2025-00142</u>)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that required clarification.

4. Draft opinion on: Lactiplantibacillus plantarum DSM 34271 as technological additive for all animal species. Applicant: Lactosan GmbH & Co. KG (<u>EFSA-Q-2025-00284</u>)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that required clarification.

5. Draft opinion on: *Lactococcus lactis* DSM 34262 as technological additive for all animal species. Applicant: Lactosan GmbH & Co. KG (<u>EFSA-Q-2025-00285</u>)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that required clarification.

6. Draft opinion on: *Bacillus subtilis* DSM 33862 and *Lentilactobacillus buchneri* DSM 12856 as technological additives for all animal species. Applicant: Lactosan GmbH & Co. KG (<u>EFSA-Q-2025-00295</u>)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that required clarification.

7. Draft opinion on: Phenylcapsaicin as zootechnical additive for chickens for fattening. Applicant: aXichem AB (EFSA-Q-2025- 00428)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that required clarification.

8. Draft opinion on: Application for Calcium D-pantothenate produced with a genetically modified strain *Escherichia coli* K-12 (CCTCC M2023146) as nutritional additives for all animal species [Article 4] Applicant: NHU Europe GmbH. (<u>EFSA-Q-2025-00438</u>)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that required clarification.

9. Draft opinion on: Application for vitamin B12 (cyanocobalamin) produced with Ensifer adhaerens CICC 11008s as a nutritional additive for all animal species [Article 4] (EFSA-Q-2024-00521)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that required clarification.

10. Draft opinion on: Application for L-valine produced with *Escherichia coli* CCTCC M 2022134 as nutritional additive for all animal species [Article 4] Applicant: Langfang Meihua Bio-Technology Co., Ltd. (EFSA-Q-2024-00697)

The application was not discussed due to lack of time.

MEETING MINUTES – 13, 15-16 October 2025 104th Working Group meeting on Microbiology



V. Next meeting

The next meeting	will be belo	d on 25 and	26 November	2025 via w	sh conforance
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103rd Working Group meeting on Microbiology



25 September 2025 09:00-13:00 MINUTES - Agreed on 25 September 2025

Location: Web-conference

Attendees:

Working Group Members:

Boet Glandorf, Lieve Herman, Maria Saarela, Henrik Christensen, Pier Sandro Cocconcelli, Baltasar Mayo, Andrey Yurkov and Stéphane Bretagne

o EFSA:

FEEDCO Unit: Nicole Bozzi Cionci, Rosella Brozzi, Yolanda García-Cazorla, Piera Valeri.

I. Welcome and apologies for absence

The Chair welcomed the participants.

Apologies were received from Miguel Prieto Maradona.

II. Adoption of agenda

The agenda was adopted with no changes.

III. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence¹ and the Decision of the Executive Director on Competing Interest Management,² EFSA screened the Annual Declarations of Interest filled out by the Working Group (WG) 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 Working Group members at the beginning of these meetings.

IV. Scientific topics for discussion

i. Draft opinion on Application for Zearalenone hydrolase (EC 3.1.1) produced with genetically modified E. coli DSM 34616 as technological additive for all animal species. Applicant: Biomin GmbH (<u>EFSA-Q-2025-00401</u>)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that required clarification.

ii. Draft opinion on Application for 6-phytase produced with Komagataella phaffia DSM 25375 as a zootechnical additive for chickens for fattening, all avian species for fattening other than turkeys for fattening and reared for breeding, piglet, pigs for fattening, sows and minor porcine species. Applicant: Kaesler Nutrition (EFSA-Q-2025-00287)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that required clarification.

¹ 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/competing_interest_management_17.pdf

MEETING MINUTES – 24 and 25 September 2025 103rd Working Group meeting on Microbiology



iii. Draft opinion on Application for Enterococcus faecium DSM 10663 / NCIMB 10415 (Oralin). Applicant: chevita Tierarzneimittel-GmbH (EFSA-Q-2024-00476)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and finalised the relevant sections.

V. Next meeting

The next meeting will be held on 13 October 2025 via web conference.

102nd Working Group meeting on Microbiology

3 September 2025 9:00-11:30 MINUTES - Agreed on 3 September 2025



Location: Web-conference

Attendees:

- o Working Group Members: Boet Glandorf, Henrik Christensen, Pier Sandro Cocconcelli
- Hearing Experts¹: Kevin Verstrepen, José Barat
- o EFSA:

FEEDCO Unit: Elisa Pettenati, Piera Valeri, Yolanda Garcia Cazorla, Rafaella Christodoulou

FIP Unit: Jaime Entrena Aguilera, Simone Lunardi

NIF Unit: Estefania Fernandez Noriega, Hanna Schmierer, Gabriela Precup

I. Welcome and apologies for absence

The Chair welcomed the participants. No apologies were received.

II. Adoption of agenda

The agenda was adopted with no changes.

III. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management,³ EFSA screened the Annual Declarations of Interest filled out by the Working Group (WG) 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 Working Group members at the beginning of these meetings.

IV. Agreement of the minutes of the 102nd Working Group meeting held on 3 September 2025, via web-conference

The minutes of the 102nd Working Group meeting were agreed at the end of the present meeting.

V. Scientific topics for discussion

i. Request to provide scientific and technical assistance on existing processes to remove recombinant DNA from fermentation products produced using genetically modified microorganisms (<u>EFSA-Q-2025-00411</u>)

¹ As defined in Article 34 of the document "Implementing Rule of the Management Board of the European Food Safety Authority laying down the rules on the selection, appointment and operations of the Scientific Committee, Scientific Panels and of their Working Groups": https://www.efsa.europa.eu/sites/default/files/paneloperation.pdf

² 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/competing_interest_management_17.pdf

MEETING MINUTES -03rd September 2025 102nd Working Group meeting on Microbiology



The WG discussed the draft technical report, and in particular assessed data regarding product characterisation and production processes. After amendments, the draft will be presented at the WG meeting on 13 October for further discussion.

VI. Next meeting

The ne	xt meeting	will be	held or	ı 24	and/or	25 o	f Sept	ember	2025	via v	veb-	confere	ence

101st Working Group meeting on Microbiology

27 August 2025 9:00-10:30 MINUTES - Agreed on 27 August 2025



Location: Web-conference

Attendees:

o Working Group Members:

Boet Glandorf, Maria Saarela, Lieve Herman, Henrik Christensen, Pier Sandro Cocconcelli, Baltasar Mayo, Miguel Prieto Maradona, Andrey Yurkov, Stéphane Bretagne

o EFSA:

FEEDCO Unit: Rosella Brozzi, Elisa Pettenati, Jordi Ortuno, Nicole Bozzi Cionci, Rafaella Christodoulou

Welcome and apologies for absence

The Chair welcomed the participants. No apologies were received.

II. Adoption of agenda

The agenda was adopted with no changes.

III. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence¹ and the Decision of the Executive Director on Competing Interest Management,² EFSA screened the Annual Declarations of Interest filled out by the Working Group (WG) 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 Working Group members at the beginning of these meetings.

IV. Scientific topics for discussion

i. Draft opinion on preparation of Bacillus velezensis ATCC PTA-6737, Bacillus velezensis ATCC PTA-127114 and Bacillus licheniformis ATCC-127113 as zootechnical additive for all growing avian species. Applicant: Kemin Europa n.v. (EFSA-Q-2023-00325)

The WG discussed the draft scientific opinion, and in particular assessed data regarding active agents' characterisation, and finalised the relevant section.

ii. Draft opinion for difructose anhydride III as zootechnical additive for all ruminants. Applicant: Nippon Beet Sugar Manufacturing Co., Ltd. (NITTEN) (EFSA-2022-00811)

The WG discussed the draft scientific opinion, and in particular assessed data regarding production strain characterisation, and finalised the relevant section.

iii. Draft opinion on for a preparation of Lactobacillus acidophilus CNCM I-3231, Ligilactobacillus salivarius CNCM I-3233, Lactiplantibacillus plantarum CNCM

¹ 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/competing_interest_management_17.pdf

MEETING MINUTES – 27 August 2025 101st Working Group meeting on Microbiology



I-3232, Lacticaseibacillus rhamnosus CNCM I-4427 and Bifidobacterium animalis subsp. lactis CNCM I-3993 as zootechnical additive for dogs and other non-food-producing animals. Applicant: WAMINE (EFSA-Q-2023-00451)

The WG discussed the draft scientific opinion, and in particular assessed data regarding active agents' characterisation, and finalised the relevant section.

V. Next meeting

The next meeting will be held on 3 September 2025 via web-conference.

100th Working Group meeting on Microbiology

15 and 16 July 2025 9:00-13:00/09:00-12:00 MINUTES - Agreed on 21 July 2025

Location: Web-conference

Attendees:

Working Group Members:

Boet Glandorf, Maria Saarela, Henrik Christensen, Pier Sandro Cocconcelli, Baltasar Mayo1, Miguel Prieto Maradona², Andrey Yurkov, Stéphane Bretagne

- Hearing Experts³: Vernis Laurence², Aquilera-Gomez Margarita², Sánchez Serrano José², Carmen Peláez².
- European Commission and/or Member States representatives: Not applicable
- EFSA:

FEEDCO Unit: Montserrat Anguita Freixa, Rosella Brozzi, Yolanda García Cazorla, Elisa Pettenati, Nicole Bozzi Cionci, Piera Valeri, Rafaella Christodoulou.

NIF Unit: Reinhilde Schoonjans, Estefanía Fernández Noriega

o Others: Not applicable

Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Miguel Prieto Maradona².

11. Adoption of agenda

The agenda was adopted with no changes.

III. **Declarations of Interest of Working Groups members**

In accordance with EFSA's Policy on Independence⁴ and the Decision of the Executive Director on Competing Interest Management, 5 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 Working Group members at the beginning of these meetings.

Scientific topic(s) for discussion IV.

Attended only 16 July 2025

² Attended only 15 July 2025
³ As defined in Article 34 of the document "Implementing Rule of the Management Board of the European Food Safety Authority laying down the rules on the selection, appointment and operations of the S https://www.efsa.europa.eu/sites/default/files/paneloperation.pdf of the Scientific Committee, Scientific

⁴ 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/competing_interest_management_17.pdf

MEETING MINUTES – 15 and 16 July 2025 100th Working Group meeting on Microbiology



- i. Draft opinion on Saccharomyces cerevisiae NBRC 0203 and Lacticaseibacillus rhamnosus NBRC 3425 as technological additive for all animal species. Applicant: EM-Agriton B.V. (<u>FFSA-Q-2024-00715</u>)
 - The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that required clarification.
- ii. Guidance on the characterisation of microorganisms in support of the risk assessment of products used in the food chain. (<u>EFSA-Q-2024-00438</u>)
 - The WG discussed the draft scientific guidance and finalised the relevant section.
- iii. Draft opinion on endo-1,4-beta-xylanase produced with Trichoderma reesei KCCM 8037 as zootechnical additive for all pigs and all avian species.

 Applicant: CJ Europe GmbH(EFSA-Q-2025-00041)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterisation, and identified issues that required clarification.

V. Next meeting

The next meeting will be held on 27 August 2025 via web conference.

99th Working Group meeting on Microbiology

18 June 2025 9:00-13:00 MINUTES - Agreed on 20 June 2025



Location: Web-conference

Attendees:

Working Group Members:

Maria Saarela, Lieve Herman, Henrik Christensen, Pier Sandro Cocconcelli, Baltasar Mayo, Miguel Prieto Maradona, Andrey Yurkov.

Hearing Experts¹:

Not Applicable

- European Commission and/or Member States representatives:
 Not applicable
- o EFSA:

FEEDCO Unit: Montserrat Anguita Freixa, Rosella Brozzi, Yolanda García Cazorla, Elisa Pettenati, Nicole Bozzi Cionci, Piera Valeri, Rafaella Christodoulou, Joana Firmino, Jordi Ortuno.

Others:Edgar Perez

I. Welcome and apologies for absence

The Chair welcomed the participants. No apologies were received.

II. Adoption of agenda

The agenda was adopted with changes. Agenda items (IV(d-k)) were added.

III. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management,³ 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.

IV. Scientific topic(s) for discussion

a) Draft opinion on: Endo-1,4-beta-xylanase (EC 3.2.1.8) produced with *Trichoderma reesei* (ATCC PTA-5588), alpha-amylase (EC 3.2.1.1) produced with *Bacillus licheniformis* (ATCC SD-6525) and protease (EC 3.4.21.62) produced with *Bacillus subtilis* (CBS 148232) as zootechnical additive for all poultry *Applicant: Genencor International B.V.* (EFSA-Q-2025-00019)

¹ As defined in Article 34 of the document "Implementing Rule of the Management Board of the European Food Safety Authority laying down the rules on the selection, appointment and operations of the Scientific Committee, Scientific Panels and of their Working Groups": https://www.efsa.europa.eu/sites/default/files/paneloperation.pdf

² 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/competing_interest_management_17.pdf

MEETING MINUTES – 18 June 2025 99th Working Group meeting on Microbiology



The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and identified issues that required clarification.

- b) Draft opinion on Endo-1,4-beta-xylanase produced with Trichoderma reesei CBS 146249 and endo-1,3(4)-beta-glucanase produced with Trichoderma reesei CBS 143945 (4a15) as zootechnical additive for all avian species, pigs for fattening, suckling and weaned piglets, lactating sows and minor porcine species. Applicant: Genencor International B.V. (EFSA-0-2024-00726)
 - The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and identified issues that required clarification.
- c) Draft opinion on Lacticaseibacillus casei IDAC 210415-01, Limosilactobacillus fermentum IDAC 210415-02, Levilactobacillus brevis IDAC 051120-02 and Enterococcus faecium NRRL B-67720 (K-9 Heritage Probiotic Blend®) for dogs (CanBiocin Inc). Applicant: CanBiocin Inc. (EFSA-Q-2024-00226)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and identified issues that required clarification.

 d) Draft opinion on L-Cystine produced with Escherichia coli K12 DSM 34232 as nutritional and sensory additive for all animal species. Applicant: Wacker Chemie AG.(<u>EFSA-2023-00436</u>)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and finalised the relevant section.

- e) Follow-up opinions linked to EFSA-Q-2022-00778 Lentilactobacillus buchneri LN4637 / ATCC PTA-2494 (EC ID 1k20734) as technological additive for all animal species. Applicant: Pioneer Hi-Bred International, Inc. (EFSA-Q-2024-00703)
 - The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and finalised the relevant section.
- f) Follow-up opinion linked to EFSA-Q-2022-00780 Lentilactobacillus buchneri LN40177 / ATCC PTA-6138 (EC ID 1k20740) as technological additive for all animal species. Applicant: Pioneer Hi-Bred International, Inc(EFSA-Q-2024-00704)
 - The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and finalised the relevant section.
- g) Follow-up opinion linked to EFSA-Q-2022-00017 Lactiplantibacillus plantarum DSM 5284 (ATCC 55944) (EC ID 1k20730) as technological additive for all animal species. Applicant: Pioneer Hi-Bred International, Inc(EFSA-Q-2024-00702)
 - The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and finalised the relevant section.
- h) Follow-up opinion linked to EFSA-Q-2022-00019 Lactiplantibacillus plantarum DSM 4786 (DSM 18114) (EC ID 1k20728) as technological additive for all animal species. Applicant: Pioneer Hi-Bred International, Inc (EFSA-Q-2024-00701)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and finalised the relevant section.

MEETING MINUTES – 18 June 2025 99th Working Group meeting on Microbiology



i) Follow-up opinion linked to EFSA-Q-2022-00020 Lactiplantibacillus plantarum DSM 4785 (DSM 18113) (EC ID 1k20727) as technological additive for all animal species. Applicant: Pioneer Hi-Bred International, Inc (EFSA-Q-2024-00700)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and finalised the relevant section.

j) Follow-up opinion linked to EFSA-Q-2022-00021 Lactiplantibacillus plantarum DSM 4784 ATCC53187 (DSM 18112) (EC ID 1k20726) as technological additive for all animal species. Applicant: Pioneer Hi-Bred International, Inc (EFSA-Q-2024-00699)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and finalised the relevant section.

k) Follow-up opinion linked to EFSA-Q-2022-00018 Lactiplantibacillus plantarum DSM 4787 (ATCC 55943) (EC ID 1k20729) as technological additive for all animal species. Applicant: Pioneer Hi-Bred International, Inc (EFSA-Q-2024-00698)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and finalised the relevant section.

V. Any Other Business

Update on Application for a preparation of Lactobacillus acidophilus CNCM I-3231, Ligilactobacillus salivarius CNCM I-3233, Lactiplantibacillus plantarum CNCM I-3232, Lacticaseibacillus rhamnosus CNCM I-4427 and Bifidobacterium animalis subsp. lactis CNCM I-3993 as zootechnical additive for dogs and other non-foodproducing animals. Applicant: WAMINE (EFSA-0-2023-00451)

The WG was informed about the status of the application, which is awaiting additional information from the applicant.

 Update on Application for a preparation of Lactobacillus acidophilus CNCM I-3231, Ligilactobacillus salivarius CNCM I-3233, Lacticaseibacillus paracasei CNCM I-4901, Bifidobacterium longum CNCM I-3227 and Bifidobacterium animalis subsp. lactis CNCM I-3993 as zootechnical additive for cats. Applicant:WAMINE(<u>EFSA-Q-2024-00090</u>)

The WG was informed about the status of the application, which is awaiting additional information from the applicant.

VI. Next meeting

The next meeting will be held on 15-16 July 2025 via web conference.

98th Working Group meeting on Microbiology

14 May 2025 9:00-16:00 MINUTES - Agreed on 19 May 2025



Location: EFSA, Parma and Web-conference

Attendees:

Working Group Members:

Boet Glandorf, Maria Saarela, Lieve Herman, Henrik Christensen, Pier Sandro Cocconcelli, Baltasar Mayo, Stéphane Bretagne, Miguel Prieto Maradona, Andrey Yurkov.

Hearing Experts¹:

Not Applicable

European Commission and/or Member States representatives:
 Not applicable

o EFSA:

FEEDCO Unit: Rosella Brozzi, Yolanda García Cazorla, Elisa Pettenati, Nicole Bozzi Cionci, Piera Valeri, Rafaella Christodoulou.

Others:Not applicable

Welcome and apologies for absence

The Chair welcomed the participants. No apologies were received.

II. Adoption of agenda

The agenda was adopted with changes. Agenda item(5) was not discussed.

III. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management,³ 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.

IV. Scientific topic(s) for discussion

a. Draft opinion on Endo-1,4-beta-xylanase (EC 3.2.1.8) produced with *Trichoderma reesei* CBS 146249 as zootechnical additive for poultry and pigs *Applicant: Genencor International B.V.* (EFSA-Q-2025-00142)

¹ As defined in Article 34 of the document "Implementing Rule of the Management Board of the European Food Safety Authority laying down the rules on the selection, appointment and operations of the Scientific Committee, Scientific Panels and of their Working Groups": https://www.efsa.europa.eu/sites/default/files/paneloperation.pdf

² 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/competing_interest_management_17.pdf

MEETING MINUTES – 14 May 2025 98th Working Group meeting on Microbiology



The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and identified issues that required clarification.

b. Draft opinion on *Enterococcus lactis* NCIMB 10415 (EC ID 1k20601) as technological additive for all animal species. *Applicant: Agri-King*(EFSA-Q-2024-00329)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and finalised the relevant section.

c. Draft opinion on endo-1,4-beta-xylanase (EC 3.2.1.8) and endo-1,3-beta-glucanase (EC 3.2.1.6) as zootechnical additives for chickens for fattening and reared for laying, laying hens, turkeys for breeding purposes, for fattening and reared for breeding and minor poultry species. *Applicant: ADISSEO*(EFSA-Q-2024-00301)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and identified issues that required clarification.

V. Next meeting

The next meeting will be held on 18th June 2025 via web conference.

97th Working Group meeting on Microbiology

12 and 13 May 2025 9:00-16:00/09:00-16:00 MINUTES - Agreed on 19 May 2025



Location: EFSA-Parma and Webconference

Attendees:

Working Group Members:

Boet Glandorf, Maria Saarela, Lieve Herman, Henrik Christensen, Pier Sandro Cocconcelli, Stéphane Bretagne, Miguel Prieto Maradona, Andrey Yurkov

Hearing Experts¹:

Carmen Peláez, Margarita Aguilera Gomez, José Sanchez Serrano, Laurence Vernis

European Commission and/or Member States representatives:
 Not applicable

o EFSA:

FEEDCO Unit: Rosella Brozzi, Elisa Pettenati, Yolanda García Cazorla, Nicole Bozzi Cionci, Piera

Valeri, Rafaella Christodoulou

FIP Unit: Jaime Aguilera

NIF Unit: Estefanía Fernández Noriega

BIOHAW Unit: Sandra Correia

Others:Not applicable

I. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Baltasar Mayo.

II. Adoption of agenda

The agenda was adopted with no changes.

III. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management^{3,} EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting and the preparatory meetings listed under agenda item "Preparatory meeting/s". No Conflicts of Interest related to the issues discussed in these meetings have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

IV. Scientific topic(s) for discussion

As defined in Article 34 of the document "Implementing Rule of the Management Board of the European Food Safety Authority laying down the rules on the selection, appointment and operations of the Scientific Committee, Scientific Panels and of their Working Groups": https://www.efsa.europa.eu/sites/default/files/paneloperation.pdf

² 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/competing_interest_management_17.pdf

MEETING MINUTES –12 and 13 May 2025 97th Working Group meeting on Microbiology



V. Guidance on the characterization and risk assessment of microorganisms used in the food chain (<u>EFSA-Q-2024-00438</u>)

The WG discussed and answered the public consultation comments and finalised the relevant sections.

VI. Next meeting

The next meeting will be held on 14 May 2025 in Parma and via webconference.

96th Working Group meeting on Microbiology

28 and 29 April 2025 9:00-16:00/09:00-16:00 MINUTES - Agreed on 29 April 2025



Location: Webconference

Attendees:

o Working Group Members:

Boet Glandorf, Maria Saarela, Lieve Herman, Henrik Christensen, Pier Sandro Cocconcelli, Baltasar Mayo, Stéphane Bretagne, Andrey Yurkov, Miguel Prieto Maradona.

Hearing Experts¹:

Carmen Pelaez, Margarita Aguilera Gomez, Jose Sanchez serrano, Laurence Vernis

European Commission and/or Member States representatives:
 Not applicable

EFSA:

FEEDCO Unit: Rosella Brozzi, Nicole Bozzi Cionci, Yolanda Garcia Cazorla, Piera Valeri, Rafaella Christodoulou,

FIP Unit: Jaime Enterna Aguilera

NIF Unit: Schoonjans Reinhilde, Estefania Fernandez Noriega

PREV Unit: Frederique Istace

BIOHAW Unit: De Almeida Florentino Correia Sandra

Others:Not applicable

Welcome and apologies for absence

The Chair welcomed the participants. No Apologies were received.

II. Adoption of agenda

The agenda was adopted with no changes.

III. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management^{3,} EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting and the preparatory meetings listed under agenda item "Preparatory meeting/s". No Conflicts of Interest related to the issues discussed in these meetings have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

As defined in Article 34 of the document "Implementing Rule of the Management Board of the European Food Safety Authority laying down the rules on the selection, appointment and operations of the Scientific Committee, Scientific Panels and of their Working Groups": https://www.efsa.europa.eu/sites/default/files/paneloperation.pdf

² 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/competing_interest_management_17.pdf

MEETING MINUTES –28 and 29 April 2025 96th Working Group meeting on Microbiology



IV. Agreement of the minutes of the (95)th Working Group meeting held on 08 April 2025 via web-conference

The minutes of the 95th Working Group meeting were agreed on 08 April 2025.

V. Scientific topic(s) for discussion

VI. Guidance on the characterization and risk assessment of microorganisms used in the food chain (<u>EFSA-Q-2024-00438</u>)

The WG discussed and answered the public consultations comments and finalised the relevant section.

VII. Next meeting

The next meeting will be held on 12-13 May 2025 in Parma and via webconference

95th Working Group meeting on Microbiology

08 April 2025 9:00-13:00 MINUTES - Agreed on 08 April 2025



Location: Webconference

Attendees:

o Working Group Members:

Boet Glandorf, Maria Saarela, Lieve Herman, Henrik Christensen, Pier Sandro Cocconcelli, Baltasar Mayo, Stéphane Bretagne

Hearing Experts¹:

Not Applicable

European Commission and/or Member States representatives:
 Not applicable

o FFSA:

FEEDCO Unit: Rosella Brozzi, Nicole Bozzi Cionci, Joana Revez, Piera Valeri, Jordi Ortuno, Rafaella Christodoulou, Joana Firmino.

Others:Not applicable

Welcome and apologies for absence

The Chair welcomed the participants.

Apologies were received from Miguel Prieto Maradona.

II. Adoption of agenda

The agenda was adopted with changes, the agenda item IV(f) was added.

III. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management,³ 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 of Interest made at the beginning of the meeting, please refer to the Annex I.

IV. Scientific topic(s) for discussion

As defined in Article 34 of the document "Implementing Rule of the Management Board of the European Food Safety Authority laying down the rules on the selection, appointment and operations of the Scientific Committee, Scientific Panels and of their Working Groups": https://www.efsa.europa.eu/sites/default/files/paneloperation.pdf

² 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/competing_interest_management_17.pdf

MEETING MINUTES - 08 April 2025 95th Working Group meeting on Microbiology



a. Draft opinion on L-lysine sulphate rich biomass of non-viable cells of Corynebacterium glutamicum KCCM 80368 for all animal species. Applicant: CJ Europe GmbH (Germany)(EFSA-Q-2023-00484)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and finalised the relevant section.

b. Draft opinion on L-valine produced with *Corynebacterium glutamicum* KCCM 80366 as nutritional additive for all animal species. *Applicant: CJ Europe GmbH* (EFSA-Q-2023-00547)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and finalised the relevant section.

c. Draft opinion on L-valine produced with *Corynebacterium glutamicum* KCCM 80365 as nutritional additive for all animal species. *Applicant: CJ Europe GmbH (Germany)* (EFSA-O-2023-00439)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and finalised the relevant section.

d. Draft opinion on L-tryptophan produced with *Corynebacterium glutamicum* KCCM 80346 as nutritional additive for all animal species. *Applicant: CJ Europe GmbH (Germany)* (EFSA-0-2022-00882)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and finalised the relevant section.

e. Draft opinion on L-threonine produced with *Corynebacterium glutamicum* KCCM 80367 as nutritional additive for all animal species *Applicant: CJ Europe GmbH (Germany)* (EFSA-Q-2022-00873)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and finalised the relevant section.

f. Draft opinion on *Bacillus velezensis* ATCC PTA-6737 (4b1823) as zootechnical additive for laying hens and other birds kept for egg production or breeding. *Applicant: Kemin Europa n.v.* (EFSA-Q-2024-00395)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization, and finalised the relevant section.

g. Draft opinion on 6-phytase produced with *Trichoderma reesei* as zootechnical additive for piglets, pigs for fattening, chickens for fattening and reared for laying, turkeys for fattening and reared for breeding, other-and-minor growing poultry species and reared for laying/breeding and other-and-minor growing porcine. *Applicant: Adisseo France SAS* (EFSA-Q-2023-00899)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization. The WG considered that additional information is needed from the applicant in order to proceed with the scientific assessment of this application. Therefore, a request for additional information will be sent to the applicant.

f. Draft opinion on Lactobacillus acidophilus CNCM I-3231, Ligilactobacillus salivarius CNCM I-3233, Lactiplantibacillus plantarum CNCM I-3232, Lacticaseibacillus rhamnosus CNCM I-4427 and Bifidobacterium animalis subsp. lactis CNCM I-3993 as zootechnical additive for dogs and other non-food-producing animals. Applicant: WAMINE SAS (France) (EFSA-Q-2023-00451)

The WG discussed the draft scientific opinion, and in particular assessed data regarding product characterization. The WG considered that additional information is needed from the

MEETING MINUTES - 08 April 2025 95th Working Group meeting on Microbiology



applicant in order to proceed with the scientific assessment of this application. Therefore, a request for additional information will be sent to the applicant.

V. Any Other Business

o Ad-hoc meeting on competitive exclusion products

The WG was informed about an ad-hoc meeting held with feed business representatives interested in the so-called competitive exclusion products.⁴ The discussion was focused on the characterisation of the products and the main challenges/limitations faced by the business operators. It was agreed that further dialogue and open discussion would be of help for all parties.

VI. Next meeting

The next meeting will be held on 28-29 April 2025 via web conference.

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⁴ https://www.efsa.europa.eu/en/events/2nd-ad-hoc-meeting-competitive-exclusion-products

MEETING MINUTES - 08 April 2025 95th Working Group meeting on Microbiology



Annex I

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

<u>NO CONFLICT</u>: With regard to this meeting, Prof. Pier Sandro Cocconcelli declared the following interest: member of the "Technical working group on the impact of the potential marketing of foods derived from cell cultures" of the Italian ministry of Agriculture. In accordance with EFSA's Policy on Independence⁵ and the Decision of the Executive Director on Competing Interest Management⁶, 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.

⁵ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

94th Working Group meeting on Microbiology 17th March 2025 MINUTES – Agreed on 17th March 2025



Location: Online

Attendees:

- Working Group Members: B.Glandorf (Chair of the Working Group), B.Mayo, M. Saarela, H. Christensen, PS Cocconcelli, M.Prieto, H.Lieve, A.Yurkov.
- European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Rosella Brozzi, Nicole Bozzi Cionci, Rafaella Christodoulou

Others:

Not applicable

1. Welcome and apologies for absence.

The Chair welcomed the participants. Apologies were received from Stephane Bretagne

2. Adoption of agenda

The agenda was adopted with changes (item 4.4 was added).

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence¹ and the Decision of the Executive Director on Competing Interest Management², 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 Endo-1,4-beta-xylanase produced with Aspergillus niger CBS 109.713 and endo-1,4-beta-glucanase produced with Aspergillus niger DSM 18404 (EC ID 4a7) as zootechnical additive for pigs for fattening (EFSA-0-2024-00301) and identified issues that require clarification.
- 4.2 The working group discussed the application **Duddingtonia flagrans strain IAH 1297** (NCIMB 30336) as zootechnical additive for all grazing animals (EFSA-Q-2024-00410) and finalised the relevant section.
- 4.3 The working group discussed the application Saccharomyces cerevisiae NBRC 0203 and Lacticaseibacillus rhamnosus NBRC 3425 as technological additive for all animal species (EFSA-O-2023-00715) and identified issues that require clarification.
- The working group discussed the application Xanthan gum (produced by fermentation with Xanthomonas campestris strains ATCC SD 7012, DSM 23730, CNCM I-4861 and CIP 74.23) for all animal species with the exception of cats and aquatic species (EFSA-0-2023-00078) and finalised the relevant section.

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

² http://www.efsa.europa.eu/sites/default/files/corporate publications/files/competing interest management 17.pdf

MEETING MINUTES –17th March 2025 94th Working Group meeting on Microbiology



5. Next meeting

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93rd Working Group meeting on Microbiology 10th of March 2025 MINUTES – Agreed on 10th March 2025



Location: Online

Attendees:

 Working Group Members: M. Prieto, Laurence Vernis, Margarita Aguilera Gomez, Carmen Palaez, J. Sanchez Serrano

• European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Rosella Brozzi, Nicole Bozzi Cionci, Piera Valeri,

FIP Unit: Jaime Entrena Aguilera

NIF Unit: Schoonjans Reinhilde, Estefania Fernandez Noriega

Others:

Not applicable

1. Welcome and apologies for absence.

The Chair welcomed the participants. No Apologies were received.

2. Adoption of agenda

The agenda was adopted with no changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence¹ and the Decision of the Executive Director on Competing Interest Management^{2,} 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 **Guidance on the characterization and risk** assessment of microorganisms used in the food chain (EFSA-Q-2024-00438) and decided that further discussion is needed.

The next meeting will be held on 11th March 2025.

 $^{^{1}\,\}underline{\text{http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf}$

² http://www.efsa.europa.eu/sites/default/files/corporate publications/files/competing interest management 17.pdf

92nd Working Group meeting on Microbiology 07th and 11th of March 2025 MINUTES – Agreed on 11th March 2025



Location: Online

Attendees:

• Working Group Members: B. Glandorf, L. Herman, H. Christensen, A. Yurkov, J. Sanchez Serrano

• European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Rosella Brozzi, Nicole Bozzi Cionci,

PREV Unit : Frederique Istace **NIF Unit :** Schoonjans Reinhilde,

Others:

Not applicable

1. Welcome and apologies for absence.

The Chair welcomed the participants. No Apologies were received.

2. Adoption of agenda

The agenda was adopted with no changes

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence¹ and the Decision of the Executive Director on Competing Interest Management^{2,} 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 **Guidance on the characterization and risk** assessment of microorganisms used in the food chain (EFSA-Q-2024-00438) and decided that further discussion is needed.

5. Next meeting

The next meeting will be held on 17th March 2025.

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

91th Working Group meeting on Microbiology 21st February 09:00 –13:00//14:00-16:00 MINUTES – Agreed on 24th February 2025



Location: Online
Attendees:

Working Group Members:

Debora Glandorf, Baltasar Mayo, Henrik Christensen, Pier Sandro Cocconcelli, Lieve Herman, Miguel Prieto Maradona, Maria Saarela, Stephane Brétagne, Andrey Yurkov, Jose J. Sanchez Serrano, Carmen Pelaez, Vernis Laurence,

• European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Rosella Brozzi, Nicole Bozzi Cionci, Yolanda Garcia Cazorla, Piera Valeri, Rafaella

Christodoulou

FIP Unit: Jaime Entrena Aguilera

BIOHAW Unit: Doyle Nadya, Sandra De Almeida Florentino correia.

PREV Unit: Frederique Istace

NIF Unit: Schoonjans Reinhilde, Estefania Fernandez Noriega

Others:

Not applicable

1. Welcome and apologies for absence.

The Chair welcomed the participants. Apologies were received from Margarita Aguilera Gomez.

2. Adoption of agenda

The agenda was adopted with no changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence¹ and the Decision of the Executive Director on Competing Interest Management^{2,} 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 Guidance on the characterization and risk assessment of microorganisms used in the food chain (EFSA-Q-2024-00438) and decided that further discussion is needed.

5. Next meeting

The next meeting will be held on 17th March 2025.

 $^{^{1}\,\}underline{\text{http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf}$

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

90th Working Group meeting on Microbiology 19th February 09:00 –13:00 MINUTES – Agreed on 19th February 2025



Location: Online Attendees:

Working Group Members:

Debora Glandorf (Chair of the Working Group), Baltasar Mayo, Henrik Christensen, Pier Sandro Cocconcelli, Lieve Herman, Miguel Prieto Maradona, Maria Saarela, Stephane Brétagne, Andrey Yurkov

• European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Rosella Brozzi, Nicole Bozzi Cionci, Piera Valeri, Rafaella Christodoulou, Yolanda Garcia Cazorla, Maria Kolona.

Others:

Not applicable

1. Welcome and apologies for absence.

The Chair welcomed the participants. No Apologies were received.

2. Adoption of agenda

The agenda was adopted with changes (item 4.4 was added).

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence¹ and the Decision of the Executive Director on Competing Interest Management², 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 Vitamin B12 (cyanocobalamin) produced with Ensifer adhaerens CICC 11008s as a nutritional additive for all animal species (EFSA-0-2024-00521) and identified issues that require clarification.
- 4.2 The working group discussed the application Endo-1,4-beta-xylanase (EC 3.2.1.8) and endo-1,3-beta-glucanase (EC 3.2.1.6) as zootechnical additives for chickens for fattening and reared for laying, laying hens, turkeys for breeding purposes, for fattening and reared for breeding and minor poultry species (EFSA-Q-2024-00301) and identified issues that require clarification.
- 4.3 The working group discussed the application Endo-1,4-beta-xylanase (4a1606i) produced with Bacillus subtilis LMG S-15136 as a zootechnical additive for all

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

² http://www.efsa.europa.eu/sites/default/files/corporate publications/files/competing interest management 17.pdf

MEETING MINUTES –19th February 2025 90th Working Group meeting on Microbiology



- **suidae and poultry species** (**EFSA-Q-2024-00563**) and identified issues that require clarification.
- 4.4 The working group discussed the application Weizmannia faecalis DSM 32016 (4b1900) as a zootechnical additive for all poultry species for fattening, reared for breeding and laying and ornamental birds (EFSA-Q-2024-00562) and identified issues that require clarification.

5. Next meeting

The next meeting will be held on 21st of February 2025.

89th Working Group meeting on Microbiology 22 January 2025, 09:00 – 12:00 MINUTES – Agreed on 22 January 2025



Location: Online

Attendees:

Working Group Members:

Debora Glandorf (Chair of the Working Group), Baltasar Mayo, Henrik Christensen, Pier Sandro Cocconcelli, Lieve Herman, Miguel Prieto Maradona, Maria Saarela, Stephane Brétagne, Andrey Yurkov

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Nicole Bozzi Cionci, Piera Valeri, Rafaella Christodoulou, Jordi Tarres, Yolanda Garcia Cazorla, Elena Rovesti

Others:

Not applicable

1. Welcome and apologies for absence.

The Chair welcomed the participants. No Apologies were received.

2. Adoption of agenda

The agenda was adopted with no changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence¹ and the Decision of the Executive Director on Competing Interest Management², 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 topics for discussion

- 4.1 The Working Group discussed the application Endo-1,3(4)-beta-glucanase (Eko,C ID 4a20) produced with *Trichoderma reesei* CBS 126896 as zootechnical additive for all avian species except layers/breeders, piglets (suckling and weaned piglets) and other growing Suidae (EFSA-Q-2023-00251) and identified issues that require clarification.
- 4.2 The Working Group discussed the application L-isoleucine as nutritional additive for all animal species (EFSA-Q-2024-00316) and identified issues that require clarification.
- 4.3 The Working Group discussed the application L-valine produced with Escherichia coli CNCM I-5911 as nutritional additive for all animal (EFSA-Q-2024-00121) species and finalised the relevant section of the document.

 $^{^{1}\,\}underline{\text{http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf}$

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

MEETING MINUTES – 22 January 2025 89th Working Group meeting on Microbiology



4.4 The Working Group discussed the application Endo-1,4-beta-xylanase and alpha-galactosidase (EC ID 4a33) produced with *Trichoderma longibrachiatum* CBS 139997 and *Aspergillus tubingensis* ATCC SD 6740 as zootechnical additive for turkeys (EFSA-Q-2023-00262) and identified issues that require clarification.

5. Next meeting

The next meeting will be held on 19 February 2025.

88th Working Group meeting on Microbiology 11 December 2024 09:00 –13:00 MINUTES – Agreed on 16 December 2024



Location: Online Attendees:

Working Group Members:

Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Miguel Prieto Maradona, Maria Saarela, Stephane Brétagne

• European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Nicole Bozzi Cionci, Rosella Brozzi, Rafaella Christodoulou, Jordi Ortuño Casanova, Piera Valeri, Yolanda Garcia, Joana Firmino

Others:

Not applicable

1. Welcome and apologies for absence.

The Chair welcomed the participants. Apologies were received from Lieve Herman, Andrey Yurkov.

2. Adoption of agenda

The agenda was adopted with no changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence¹ and the Decision of the Executive Director on Competing Interest Management², 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 topics for discussion

- 4.1 The Working Group discussed the application Citric acid (anhydrous, monohydrate) for all animal species (<u>EFSA-Q-2024-00006</u>) and identified issues that require clarification.
- 4.2 The Working Group discussed the application RONOZYME® RumiStar (alpha-amylase 3.2.1.1) for dairy cows for milk production (EFSA-Q-2024-00081) and identified issues that require clarification.
- 4.3 The Working Group discussed the application Riboflavin (Vitamin B2) and Riboflavin (Vitamin B2) (80% feed grade) produced by Bacillus subtilis VBB18049 for all animal species (EFSA-Q-2023-00898) and finalised the relevant section of the document.

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

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- 4.4 The Working Group discussed the application L-valine (3c370) produced with Escherichia coli NITE BP-01755 as nutritional additive for all animal species (EFSA-Q-2024-00486) and identified issues that require clarification
- 4.5 The Working Group discussed the application TechnoCare® 50 (preparation of Bacillus licheniformis DSM 33806 and Weizmannia faecalis DSM 32016) for piglets (suckling and weaned), pigs for fattening, sows and physiologically related minor growing and reproductive porcine species (EFSA-Q-2023-00667) and identified issues that require clarification.
- 4.6 The Working Group discussed the application *Duddingtonia flagrans* strain IAH 1297 (NCIMB 30336) as zootechnical additive for all grazing animals (EFSA-Q-2024-00410) and identified issues that require clarification.

5. Next meeting

The next meeting will be held on 22 of January 2025.

87th Working Group meeting on Microbiology 20 and 21 November 2024 09:00 - 11:00 | 09:00 - 10:00 MINUTES - Agreed on 25 November 2024



Location: Online Attendees:

Working Group members:

Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf¹, Miguel Prieto Maradona, Maria Saarela, Stephane Brétagne, Andrey Yurkov¹, Lieve Herman²

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Nicole Bozzi Cionci, Rosella Brozzi, Rafaella Christodoulou, Jordi Ortuño Casanova, Piera Valeri, Jordi Tarres, Yolanda Garcia, Maria Kolona, Yolanda Garcia, Joana Revez

Others:

Not applicable

1. Welcome and apologies for absence.

The Chair welcomed the participants. Apologies were received from Baltasar Mayo.

2. Adoption of agenda

The agenda was adopted with changes (Items 4.5, 4.6, 4.7 were added).

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence³ and the Decision of the Executive Director on Competing Interest Management⁴, 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.

- 4.1 The Working Group discussed the application L-arginine (EC ID 3c363) as nutritional additive for all animal species and categories (EFSA-0-2024-00423) and finalised the relevant section of the document.
- GalliPro® Fit 10 (Bacillus subtilis 4.2 The Working Group discussed the application DSM32324, Bacillus subtilis DSM32325 and Bacillus amyloliquefaciens DSM25840) for all poultry (EFSA-Q-2023-00867) and finalised the relevant section of the document.
- 4.3 The Working Group discussed the application NITTEN DFAIII (difructose anhydride III) for all female adult ruminants in the periparturient period, all neonatal

¹ Attending only on the 21st

² Attending only on the 20th ³ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

⁴ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

MEETING MINUTES – 20 and 21 November 2024 87th Working Group meeting on Microbiology



ruminants fed colostrum and milk/milk replacer in early life (EFSA-Q-2022-00811) and identified issues that require clarification.

- 4.4 The Working Group discussed the application BIOMIN® BBSH® 797 (microorganism strain DSM 11798) for pigs and all avian species (EFSA-Q-2022-00793) and finalised the relevant section of the document.
- The Working Group discussed the application **Bonvital** (*E. lactis*) **for sows** (<u>EFSA-Q-2023-00857</u>) and finalised the relevant section of the document.
- 4.6 The Working Group discussed the application L-lysine sulphate containing non-viable biomass of genetically modified *Corynebacterium glutamicum* as nutritional additive for all animal species (<u>EFSA-Q-2023-00484</u>) and identified issues that require clarification.
- 4.7 The Working Group discussed the application Microsaf (Bacillus velezensis (amyloliquefaciens) NRRL B-67647, Bacillus pumilus NRRL B-67648, Bacillus licheniformis NRRL B-67649) for chickens for fattening and other poultry for fattening (e.g. turkeys, ducks, geese, pheasants, quail, guinea fowl, ostrich) and ornamental birds (EFSA-Q-2021-00449) and finalised the relevant section of the document.

5. Next meeting

The next meeting will be held on 11 December 2024.

86th Working Group meeting on Microbiology 17, 29 and 30 October 2024 09:00 - 11:00 | 09:00 - 16:00 | 09:00 - 16:00 MINUTES - Agreed on 11 November 2024



Location: Hybrid - Parma

Attendees:

• Working Group Members:

Baltasar Mayo (Chair of the Working Group), Henrik Christensen¹, Pier Sandro Cocconcelli, Debora Glandorf¹, Miguel Prieto Maradona¹, Maria Saarela, Stephane Brétagne, Andrey Yurkov.

• European Commission and/or Member States representatives:

Not Applicable.

• EFSA:

FEEDCO Unit: Nicole Bozzi Cionci, Rosella Brozzi, Rafaella Christodoulou, Yolanda Garcìa Cazorla, Orsolya Holczknecht, Jordi Ortuño Casanova, Piera Valeri.

Others:

Not applicable.

1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies from Lieve Herman were received.

2. Adoption of agenda

The agenda was adopted with changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management³, EFSA screened the Annual Declarations of Interest filled out by the 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.

- 4.1 The working group discussed the application ENZY CARBOPLUS® (xylanase produced with K. pastoris DSM 25376 and β-glucanase produced with K. pastoris DSM 26469) for all poultry (EFSA-Q-2021-00314) and finalised the relevant section of the document.
- 4.2 The Working Group discussed the application for Bafasal® (Preparation of Bacteriophages PCM F/00069, PCM F/00070, PCM F/00071 and PCM F/00097) for all avian species (EFSA-Q-2024-00275) and finalised the relevant section of the document.
- **4.3** The Working Group discussed the application for **Avi-Carb** (semduramicin 3% and nicarbazin 8%) for chickens for fattening (<u>EFSA-Q-2024-00004</u>) and identified issues that require clarification.

¹ Attending on October 17th, 29th and 30th

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ http://www.efsa.europa.eu/sites/default/files/corporate publications/files/competing interest management 17.pdf

MEETING MINUTES – 17, 29 and 30 October 2024 86th Working Group meeting on Microbiology



- 4.4 The Working Group discussed the application for Ecobiol (Bacillus velezensis CECT 5940) for laying hens and other poultry for laying (EFSA-Q-2024-00008) and finalised the relevant section of the document.
- 4.5 The Working Group was informed on the status of the **Guidance on the risk assessment** of microorganisms used in the food chain (<u>EFSA-Q-2024-00438</u>).

5. Next meeting

The next meetings will be held on 20 and 21 November 2024.

85th Working Group meeting on Microbiology 25 and 26 September 2024 09:00 - 13:00 MINUTES - Agreed on 30 September 2024



Location: Hybrid Attendees:

Working Group Members:

Baltasar Mayo¹ (Chair of the Working Group), Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman¹, Miguel Prieto Maradona, Maria Saarela and Andrey Yurkov².

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Nicole Bozzi Cionci, Rosella Brozzi, Joana Firmino, Jordi Ortuño Casanova, Piera

Others:

Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Stéphane Brétagne.

2. Adoption of agenda

The agenda was adopted with changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence³ and the Decision of the Executive Director on Competing Interest Management^{4,} 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.

- 4.1 The working group discussed the application Endo-1,4-beta-xylanase EC 3.2.1.8 produced by Bacillus subtilis LMG S-15136 (Belfeed B MP/ML) for gestating sows (EFSA-Q-2024-00263) and identified issues that require clarification.
- 4.2 The working group discussed the application for Bafasal® (Preparation of bacteriophages PCM F/00069, PCM F/00070, PCM F/00071 and PCM F/00097) for all avian species (EFSA-O-2024-00275) and finalised the relevant section of the draft opinion.
- 4.3 The working group discussed the application for Syncra®SWI 201 TPT (Bacillus amyloliquefaciens BS918, Bacillus amyloliquefaciens BS1013, Bacillus subtilis BS3BP5 and Protease) for pigs for fattening and other growing porcine species (EFSA-Q-2019-00480) and identified issues that require clarification.

¹ Attending only on September 25th

Attending only on September 26th
 http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf ⁴ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

MEETING MINUTES – 25 and 26 September 85th Working Group meeting on Microbiology



- 4.4 The working group discussed the application for *Enterococcus lactis* NCIMB 10415 for all animal species (<u>EFSA-Q-2024-00329</u>) and identified issues that require clarification.
- 4.5 The working group discussed the application for *Bacillus licheniformis* DSM 33806 and *Weizmannia faecalis* DSM 32016 (TechnoCare® 50) for piglets (suckling and weaned), pigs for fattening, sows, and minor growing and reproductive porcine species (EFSA-Q-2023-00667) and finalised the relevant section of the draft opinion.
- 4.6 The working group discussed the application for L-lysine monohydrochloride produced with *Corynebacterium glutamicum* CGMCC 7.453 as nutritional additive for all animal species (EFSA-Q-2023-00723) and finalised the relevant section of the draft opinion.
- 4.7 The working group discussed the application for L-lysine sulphate produced with Corynebacterium glutamicum CGMCC 7.453 as nutritional additive for all animal species (EFSA-Q-2023-00865) and finalised the relevant section of the draft opinion.

5. Next meeting

The next meetings will be held on 29 and 30 October 2024, in Parma.

84th Working Group meeting on Microbiology 23 and 28 August 2024 09:00 - 16:00 MINUTES - Agreed on 04 September 2024



Location: Hybrid Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Stéphane Brétagne¹, Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf¹, Lieve Herman¹, Miguel Prieto Maradona², Maria Saarela and Andrey Yurkov¹.

Hearing Experts^{1,3,4}:

Margarita Aguilera Gómez, José Sánchez Serrano, Laurence Vernis, Carmen Pelaez

European Commission and/or Member States representatives:

Not Applicable

EFSA:

BIOHAW Unit^{1,4,5}: Sandra Luisa de Almeida Florentino Correia

FEEDCO Unit: Montserrat Anguita, Nicole Bozzi Cionci, Rosella Brozzi, Yolanda García Cazorla, Piera Valeri

FIP Unit^{1,4,5}: Jaime Aguilera Entrena

NIF Unit^{1,4,5}: Dafni Kagkli, Reinhilde Schoonjans, Andrea Gennaro, Estefania Noriega Fernandez

PREV Unit^{1,4,5}: Frédérique Istace

Others:

Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Amparo Querol.

2. Adoption of agenda

The agenda was adopted with changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence⁵ and the Decision of the Executive Director on Competing Interest Management^{6,} 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.

Attending only on August 28th

² Attending only on August 23rd
³ 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

⁴ Attending only on August 28th and for the discussion of item 4.1 ⁵ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

⁶ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

83rd Working Group meeting on Microbiology 19 June, 08, 10 and 17 July 2024 09:00 - 16:00 MINUTES - Agreed on 17 July 2024



Location: Hybrid

Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Stéphane Brétagne¹, Henrik Christensen², Pier Sandro Cocconcelli, Debora Glandorf³, Lieve Herman², Miguel Prieto Maradona, Maria Saarela⁴ and Andrey Yurkov⁵.

Hearing Experts^{6,7}:

Margarita Aguilera Gómez, José Sánchez Serrano, Laurence Vernis, Carmen Pelaez

European Commission and/or Member States representatives:

Not Applicable

EFSA:

BIOHAW Unit^{6,7}: Sandra Luisa de Almeida Florentino Correia

FEEDCO Unit: Montserrat Anguita, Nicole Bozzi Cionci, Rosella Brozzi, Joana Firmino, Yolanda Garcìa Cazorla, Orsolya Holczknecht, Anna Dioni, Maria Dulak-Lis, Daniel Pages-Plaza, Fabiola Pizzo, Jordi Ortuño Casanova, Jordi Tarres, Maria Vittoria Vettori, Piera Valeri

FIP Unit^{6,7}: Jaime Aguilera Entrena, Simone Lunardi

NIF Unit^{6,7}: Dafni Kagkli, Estefania Noriega Fernandez

BIOHAW Unit

Others:

Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Amparo Querol.

2. Adoption of agenda

The agenda was adopted with changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence⁸ and the Decision of the Executive Director on Competing Interest Management9, 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.

¹ Attending only on June 19th and July 17th
² Attending only on June 19th, July 10th and 17th
³ Attending only on July 10th and 17th

Attending only on June 19th, July 8th and 17th
 Attending only on June 19th
 Attending only on June 19th
 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

Attending only on 17th July and for the discussion of item 4.1 http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

peting_interest_management_17.pdf http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/comp

MEETING MINUTES – 19 June, 08, 10 and 17 July 2024 83rd Working Group meeting on Microbiology



- 4.1 The working group discussed the Guidance on the risk assessment of microorganisms used in the food chain (EFSA-Q-2022-00249) and decided that further discussion is needed.
- 4.2 The working group discussed the application for Riboflavin (Vitamin B2) and Riboflavin (Vitamin B2) (80% feed grade) produced with *Bacillus subtilis* VBB 18049 as nutritional additive for all animal species (EFSA-Q-2023-00898) and identified issues that require clarification.
- 4.3 The working group discussed the application for L-valine produced with *Escherichia* coli CGMCC 22721 as nutritional additive for all animal species (EFSA-Q-2023-00739) and finalised the relevant sections of the draft opinion.
- 4.4 The working group discussed the application for CanBiocin k-9 Heritage Probiotic Blend for dogs (EFSA-Q-2024-00226) and identified issues that require clarification.
- 4.5 The working group discussed the application for Citric acid (anhydrous and monohydrate) as technological additive for all animal species (EFSA-Q-2024-0006) and finalised the relevant sections of the draft opinion.
- 4.6 The working group discussed the application for L-valine produced with *Escherichia coli* CNCM I-5911 as nutritional additive for all animal species (EFSA-Q-2024-00121) and identified issues that require clarification.
- 4.7 The working group discussed the application for Interban® (10 % Narasin and 0.2 % Diclazuril) as coccidiostat for poultry (EFSA-Q-2023-00748) and finalised the relevant sections of the draft opinion.
- 4.8 The working group discussed the application for Maxiban G160 (narasin and nicarbazin) for chickens for fatteing (EFSA-Q-2019-00739) and identified issues that require clarification.
- 4.9 The working group discussed the application for FlorEquilibre Chien for dogs and other non-food-producing animals (EFSA-Q-2023-00451) and identified issues that require clarification.
- 4.10 The working group discussed the application for L-arginine produced with *Escherichia coli* CGMCC 7.401 as nutritional additive for all animal species (EFSA-Q-2023-00868) and finalised the relevant sections of the draft opinion.
- 4.11 The working group discussed the application for L-lysine sulphate produced with Corynebacterium glutamicum CGMCC 23982 as nutritional additive for all animal species (EFSA-Q-2023-00712) and finalised the relevant sections of the draft opinion.
- 4.12 The working group discussed the application for L-threonine produced with Corynebacterium glutamicum KCCM 80367 as nutritional additive for all animal species (EFSA-Q-2022-00873) and identified issues that require clarification.
- 4.13 The working group discussed the application for L-tryptophan produced with Corynebacterium glutamicum KCCM 80346 as nutritional additive for all animal species (EFSA-Q-2022-00882) and identified issues that require clarification.
- 4.14 The working group discussed the application for Bafasal® (Preparation of Bacteriophages PCM F/00069, PCM F/00070, PCM F/00071 and PCM F/00097) for all avian species (EFSA-Q-2024-00275) and identified issues that require clarification.
- 4.15 The working group discussed the application for *Saccharomyces cerevisiae* CNCM I-1077 (EC ID 4b1711) as zootechnical additive for lambs, all minor ruminant species for fattening, camelids for fattening, ruminants reared for milk

MEETING MINUTES – 19 June, 08, 10 and 17 July 2024 83rd Working Group meeting on Microbiology



- production/suckling/reproduction, camelids reared for milk production/suckling/reproduction, equidae other than horses (EFSA-Q-2023-00724) and identified issues that require clarification.
- 4.16 The working group discussed the application for 6-phytase produced with *Trichoderma* reesei as zootechnical additive for piglets, pigs for fattening, chickens for fattening and reared for laying, turkeys for fattening and reared for breeding, other-and-minor growing poultry species and reared for laying/breeding and other-and-minor growing porcine (EFSA-Q-2023-00899) and identified issues that require clarification.
- 4.17 The working group discussed the application for 3-phytase produced with Komagataella phaffii (CECT 13171) as zootechnical additive for chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, minor poultry species, pigs for fattening and minor porcine species for fattening (EFSA-Q-2023-00738) and identified issues that require clarification.
- 4.18 Item not discussed: L-valine produced with *Corynebacterium glutamicum* KCCM 80365 as nutritional additive for all animal species (EFSA-Q-2023-00439).
- 4.19 Item not discussed: L-lysine sulphate containing non-viable biomass of genetically modified *Corynebacterium glutamicum* as nutritional additive for all animal species (EFSA-Q-2023-00484).
- 4.20 Item not discussed: L-tryptophan (min.98%) produced with *Corynebacterium glutamicum* KCCM 80346 as nutritional additive for all animal species (EFSA-Q-2023-00866).

5. Next meeting

The next meetings will be held on 23 and 28 August 2024.

82nd Working Group meeting on Microbiology 13 and 15 May April 2024 09:00 - 16:00 | 09:00 - 16:00 MINUTES – Agreed on 15 May 2024



Location: Hybrid
Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Henrik Christensen, Pier Sandro Cocconcelli¹, Debora Glandorf, Lieve Herman¹, Miguel Prieto Maradona, Maria Saarela, Andrey Yurkov¹.

Hearing Experts^{2,3}:

José Sánchez Serrano¹

European Commission and/or Member States representatives:

Not Applicable

• EFSA:

FEEDCO Unit: Montserrat Anguita, Nicole Bozzi Cionci, Rosella Brozzi, Anna Dioni, Joana Firmino, Yolanda Garcìa Cazorla, Jordi Ortuño Casanova, Elisa Pettenati, Barbara Rossi, Piera Valeri

FIP Unit^{2,3}: Jaime Aguilera Entrena

NIF Unit^{2,3}: Dafni Kagkli, Estefania Noriega Fernandez, Andrea Gennaro

Others:

Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Margarita Aguilera Gómez

2. Adoption of agenda

The agenda was adopted with changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence⁴ and the Decision of the Executive Director on Competing Interest Management^{5,} 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 topics for discussion

4.1 The working group discussed the Guidance on the risk assessment of microorganisms used in the food chain (<u>EFSA-Q-2022-00249</u>) and decided that further discussion is needed.

3 Attending for the discussion of item 4.1 and 4.2

¹Attending only on 13 May

Actioning only on 13 May

2 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

⁴ 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/competing interest management 17.pdf

MEETING MINUTES – 13 and 15 May 82nd Working Group meeting on Microbiology



- **4.2** The working group discussed the Update of the EFSA statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain (<u>EFSA-Q-2022-00250</u>) and finalised the relevant sections of the document.
- **4.3** The working group discussed the application for *Bacillus velezensis* NRRL B-67647, *Bacillus pumilus* NRRL B-67648 and *Bacillus licheniformis* NRRL B-67649 (Microsaf®) for chickens for fattening, other poultry for fattening and ornamental birds (<u>EFSA-Q-2021-00449</u>) identified issues that require clarification.
- **4.4** The working group discussed the application for L-lysine sulphate produced with *Corynebacterium glutamicum* CGMCC 7453 as nutritional additive for all animal species (<u>EFSA-Q-2023-00865</u>) and identified issues that require clarification.
- The working group discussed the application for Interban® (10 % Narasin and 0.2 % Diclazuril) as coccidiostat for poultry (<u>EFSA-Q-2023-00748</u>) and decided that further discussion is needed.
- The working group discussed the application for AveMix® 02CS (endo-1,4-beta-xylanase,endo-1,3 (4)-beta-glucanase and polygalacturonase) for piglets (weaned) (<u>EFSA-Q-2020-00635</u>) and finalised the relevant sections of the draft opinion.
- 4.7 The working group discussed the application for AveMix XG 10 (endo-1,4-beta-xylanase and endo-1,3(4)-beta-glucanase) for piglets (suckling and weaned piglets) (<u>EFSA-Q-2020-00807</u>) and finalised the relevant sections of the draft opinion.
- **4.8** The working group discussed the application for AveMix 02 CS (endo-1,4-beta-xylanase, endo-1,3(4)-beta-glucanase and polygalacturonase) for piglets (suckling) (<u>EFSA-Q-2020-00840</u>) and finalised the relevant sections of the draft opinion.
- **4.9** The working group discussed the application for AveMix XG 10 (xylanase and beta-glucanase produced by *T. longibrachiatum* (MUCL 49755 & 49754)) for laying hens and minor poultry species (<u>EFSA-Q-2021-00673</u>) and finalised the relevant sections of the draft opinion.
- **4.10** The working group discussed the application for AveMix XG 10 (endo-1,4-beta-xylanase and endo-1,4-beta-glucanase produced by *T. longibrachiatum* (MUCL 49755 and 49754)) for pigs for fattening, minor porcine species for fattening other than Sus scrofa domesticus, and turkeys for fattening (<u>EFSA-Q-2022-00800</u>) and finalised the relevant sections of the draft opinion.
- **4.11** The working group discussed the application for Vitamin B12/Cyanocobalamin produced by fermentation with non-genetically modified *Ensifer adhaerens* CGMCC 19596 (<u>EFSA-Q-2024-00056</u>) and finalised the relevant sections of the draft opinion.

5. Next meeting

The next meeting will be held on 19 June.

81st Working Group meeting on Microbiology 02, 23 and 24 April 2024 09:00 - 13:00 | 09:00 - 16:00 | 09:00 - 16:00 MINUTES - Agreed on 02 May 2024



Location: Hybrid - Parma

Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group) Stéphane Brétagne, Henrik Christensen, Pier Sandro Cocconcelli¹, Debora Glandorf¹, Lieve Herman¹, Miguel Prieto Maradona, Maria Saarela¹, Andrey Yurkov¹ and Amparo Querol¹.

Hearing Experts^{1,2,3}:

Margarita Aguilera Gómez, José Sánchez Serrano⁴, Laurence Vernis, Carmen Pelaez.

European Commission and/or Member States representatives:

Not Applicable

EFSA:

BIOHAW Unit^{1,2,3}: Sandra Luisa de Almeida Florentino Correia, Winy Messens

FEEDCO Unit: Montserrat Anguita, Nicole Bozzi Cionci, Rosella Brozzi, Yolanda Garcìa Matteo Innocenti, Alberto Navarro Villa, Jordi Ortuño Casanova Cazorla, Elisa Pettenati, Joana Revez, Piera Valeri

FIP Unit1,2,3: Jaime Aquilera Entrena, Ana Maria Gomes Teixeira Rocheta, Silvia Peluso and Simone Lunardi

NIF Unit^{1,2,3}: Dafni Kagkli, Reinhilde Schoonjans, Estefania Noriega Fernandez, Andrea Gennaro, Nikoletta Papadopoulou

PREV Unit^{1,2,3}: Frédérique Istace

Others: Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. No apologies were received.

2. Adoption of agenda

The agenda was adopted with changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence⁵ and the Decision of the Executive Director on Competing Interest Management⁶, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

Attending only on 23 and 24 April

² 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 Attending for the discussion of item 4.1 and 4.2

⁴ Attending only on 24 April
5 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/competing_interest_man.

⁶ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

MEETING MINUTES – 02, 23 and 24 April 81st Working Group meeting on Microbiology



4. Scientific topics for discussion

- 4.1 The working group discussed the Guidance on the risk assessment of microorganisms used in the food chain (EFSA-Q-2022-00249) and decided that further discussion is needed.
- 4.2 The working group discussed the Update of the EFSA statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain (EFSA-Q-2022-00250) and decided that further discussion is needed.
- 4.3 The working group discussed the application for *Bacillus velezensis* ATCC PTA-6737, ATCC PTA-127114, *Bacillus licheniformis* ATCC-127113 (Enterosure) for avian species (EFSA-Q-2023-00325) and identified issues that require clarification.
- The working group discussed the application for Bonvital (*Enterococcus lactis* DSM 7134) for sows (<u>EFSA-Q-2023-00857</u>) and identified issues that require clarification.
- 4.5 The working group discussed the application for Red carotenoid rich *Paracoccus carotinifaciens* (Panaferd-AX) for salmon and trout (EFSA-Q-2017-00694) and finalised the relevant sections of the draft opinion.

5. Next meeting

The next meeting will be held on 13 and 15 May.

80th Working Group meeting on Microbiology 20 March 2024 09:00 - 13:00 MINUTES – Agreed on 20 March 2024



Location: Hybrid Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Stéphane Brétagne, Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona, Maria Saarela and Andrey Yurkov.

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Angelica Amaduzzi, Nicole Bozzi Cionci, Rosella Brozzi, Joana Firmino, Marianna Kujawa, Elisa Pettenati, Piera Valeri.

Others: Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. No apologies were received.

2. Adoption of agenda

The agenda was adopted with changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence¹ and the Decision of the Executive Director on Competing Interest Management². 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.

- 4.1 The working group discussed the application for Xanthan gum (EFSA-Q-2023-00078) and identified issues that require clarification.
- 4.2 The working group discussed the application for *Bacillus licheniformis* DSM 33806 and *Weizmannia faecalis* DSM 32016 (TechnoCare 50)(EFSA-Q-2023-00667) and identified issues that require clarification.
- 4.3 The working group discussed the application for Vitamin B12/Cyanocobalamin produced by fermentation with non-genetically modified *Ensifer adhaerens* CGMCC 19596 (EFSA-Q-2024-00056) and identified issues that require clarification.

¹ 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/competing_interest_management_17.pdf

MEETING MINUTES – 20 March 80th Working Group meeting on Microbiology



- 4.4 The working group discussed the application for CAPSOZYME SB PLUS (endo-1,4-beta-xylanase and alpha-galactosidase) for turkeys (EFSA-Q-2023-00262) and identified issues that require clarification.
- 4.5 The working group discussed the application for L-valine produced by fermentation with *Corynebacterium glutamicum* KCCM 80058 for all animal species (EFSA-Q-2023-00551) and identified issues that require clarification.
- 4.6 The working group discussed the application for L-valine produced by *E. coli* for all animal species (EFSA-Q-2023-00739) and identified issues that require clarification.
- 4.7 The working group discussed the application for L-arginine produced by *E. coli* for all animal species (EFSA-Q-2023-00868) and identified issues that require clarification.
- 4.8 The working group discussed the application for 3-phytase produced by *Komagataella phaffii* (EFSA-Q-2023-00738) and identified issues that require clarification.
- 4.9 The working group discussed the application for *Bacillus velezensis* ATCC PTA-6737, ATCC PTA-127114, *Bacillus licheniformis* ATCC-127113 (Enterosure) for avian species (EFSA-Q-2023-00325) and identified issues that require clarification.

5. Next meeting

The next meeting will be held on 2, 23 and 24 April.

79th Working Group meeting on Microbiology 12 and 14 February 2024 09:00 - 16:00 / 09:00 - 16:00 MINUTES – Agreed on 14 February 2024



Location: Hybrid Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Stéphane Brétagne, Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Amparo Querol, Lieve Herman, Miguel Prieto Maradona, Maria Saarela and Andrey Yurkov.

Hearing Experts^{1,2}:

Margarita Aquilera Gómez, José Sánchez Serrano, Laurence Vernis, Carmen Pelaez.

European Commission and/or Member States representatives:

Not Applicable

EFSA:

BIOHAW Unit^{1,2}: Sandra Luisa de Almeida Florentino Correia, Beatriz Guerra Roman

FEEDCO Unit: Montserrat Anguita, Nicole Bozzi Cionci, Rosella Brozzi, Yolanda Garcìa Cazorla, Elisa Pettenati, Piera Valeri.

FIP Unit^{1,2}: Jaime Aguilera Entrena, Ana Maria Gomes Teixeira Rocheta and Silvia Peluso

IDATA Unit^{1,2}: Adrián César Razquin, Gianluca De Moro, Giovanni Iacono

NIF Unit^{1,2}: Estefania Noriega Fernandez

Others:
 Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. No apologies were received.

2. Adoption of agenda

The agenda was adopted with changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence³ and the Decision of the Executive Director on Competing Interest Management^{4,} 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.

¹ 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 Attending for the discussion of item 4.1

³ 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/competing_interest_management_17.pdf

MEETING MINUTES – 12 and 14 February 79th Working Group meeting on Microbiology



- **4.1.** The working group discussed the Update of the EFSA statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain (EFSA-Q-2022-00250) and decided that further discussion is needed.
- **4.2.** The working group discussed the application for L-lysine monohydrochloride for all animal species (EFSA-Q-2023-00723) and identified issues that require clarification.
- **4.3.** The working group discussed the application for Avizyme® (EFSA-Q-2021-00694) and identified issues that require clarification.
- **4.4.** The working group discussed the application for MICROSAF® (<u>EFSA-Q-2021-00449</u>) and identified issues that require clarification.
- **4.5.** The working group discussed the application FUMzyme® (Fumonisin esterase EC 3.1.1.87) for all animal species (EFSA-Q-2023-00203) and finalised the relevant sections of the draft opinion.
- 4.6. Not discussed: 3-phytase produced by Komagataella phaffii (EFSA-Q-2023-00738)

5. Next meeting

The next meeting will be held on 20 March.

78th Working Group meeting on Microbiology 10, 24, 25 and 26 January 2024 09:00 - 13:00 / 09:00 - 16:00 / 09:00 - 16:00 / 09:00 - 16:00 MINUTES - Agreed on 26 January 2024



Location: Hybrid

Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Stéphane Brétagne, Henrik Christensen, Pier Sandro Cocconcelli1, Debora Glandorf2, Amparo Querol1, Lieve Herman3, Miguel Prieto Maradona, Maria Saarela¹ and Andrey Yurkov¹.

Hearing Experts^{4,5}:

Margarita Aguilera Gómez, José Sánchez Serrano, Laurence Vernis, Carmen Pelaez.

European Commission and/or Member States representatives:

Not Applicable

EFSA:

BIOHAW Unit^{4,5}: Sandra Luisa de Almeida Florentino Correia

FEEDCO Unit: Nicole Bozzi Cionci, Rosella Brozzi, Yolanda García Cazorla, Elisa Pettenati, Piera Valeri.

FIP Unit^{4,5}: Jaime Aguilera Entrena, Ana Maria Gomes Teixeira Rocheta, Silvia Peluso and Simone Lunardi

NIF Unit^{4,5}: Dafni Kagkli, Reinhilde Schoonjans, Estefania Noriega Fernandez.

PREV Unit^{4,5}: Frédérique Istace

Others: Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. No apologies were received.

2. Adoption of agenda

The agenda was adopted with changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence⁶ and the Decision of the Executive Director on Competing Interest Management^{7,} 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.

Attending only on 10, 24 and 25 January

Attending only on 24 and 25 January
 Attending only on 10 January and 25 January
 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 ⁵ Attending for the discussion of item 4.1 and 4.2

⁶ 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/competing_interest_management_17.pdf

MEETING MINUTES – 10, 24, 25 and 26 January 78th Working Group meeting on Microbiology



- **4.1**. The working group discussed the Guidance on the risk assessment of microorganisms intentionally added to the food chain (EFSA-Q-2022-00249) and decided that further discussion is needed.
- **4.2.** The working group discussed the Update of the EFSA statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain (EFSA-Q-2022-00250) and decided that further discussion is needed.
- **4.3.** The working group discussed the application for L-valine produced by fermentation with *Corynebacterium glutamicum* KCCM80365 for all animal species (EFSA-Q-2023-00439) and identified issues that require clarification.
- **4.4.** The working group discussed the application for L-lysine sulphate containing non-viable biomass of genetically modified *Corynebacterium glutamicum* for all animal species (EFSA-Q-2023-00484) and identified issues that require clarification.
- **4.5.** The working group discussed the application for AveMix® for laying hens and minor poultry species for fattening and laying (EFSA-Q-2021-00673) and identified issues that require clarification.
- **4.6.** The working group discussed the application for Biosprint® (*Saccharomyces cerevisiae* MUCL 39885 4b1710) for cattle for fattening (EFSA-Q-2022-00513) and finalised the relevant sections of the draft opinion.
- **4.7.** The working group discussed the application for Balancius[™] for laying hens (EFSA-Q-2022-00318) and identified issues that require clarification.
- **4.8.** The working group discussed the application for Vitamin B2 / Riboflavin produced by *Saccharomyces cerevisiae* CEN.PK113-7D for all animal species (EFSA-Q-2022-00846) and identified issues that require clarification
- **4.9.** The working group discussed the application for L-lysine base, liquid for all animal species (EFSA-Q-2023-00482) and identified issues that require clarification.
- **4.10.** The working group discussed the application for L-tryptophan for all animal species (EFSA-Q-2023-00048) and finalised the relevant sections of the draft opinion.
- **4.11.** The working group discussed the application for ENZY CARBOPLUS® for laying, laying hens, turkeys for fattening, turkeys reared for breeding, minor avian species including laying birds, weaned piglets and minor weaned porcine species (EFSA-Q-2021-00314) and decided that further discussion is needed.

1. Next meeting

The next meeting will be held on 12 and 14 February.

77th Working Group meeting on Microbiology

05, 07, 11, 13, and 21 December

09:00 - 11:00 / 09:00 - 11:00 / 11:00 - 13:00 / 16:00 - 18:00 / 09:00 -

18:00

MINUTES – Agreed by written procedure on 11 January 2024



Location: Hybrid

Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Stéphane Brétagne, Henrik Christensen, Pier Sandro Cocconcelli, 1 Debora Glandorf, Lieve Herman, Miguel Prieto Maradona, 2 Maria Saarela and Andrey Yurkov.

Hearing Experts^{3,4}:

Margarita Aguilera Gómez, José Sánchez Serrano, Laurence Vernis, Carmen Pelaez⁵.

European Commission and/or Member States representatives:

Not Applicable

EFSA:

BIOHAW Unit^{3,4}: Sandra Luisa de Almeida Florentino Correia, Beatriz Guerra Roman

FEEDCO Unit: Montserrat Anguita, Nicole Bozzi Cionci, Rosella Brozzi, Yolanda García Cazorla, Elisa Pettenati, Piera Valeri.

FIP Unit^{3,4}: Jaime Aguilera Entrena, Ana Maria Gomes Teixeira Rocheta and Silvia Peluso

NIF Unit^{3,4}: Dafni Kagkli, Reinhilde Schoonjans, Estefania Noriega Fernandez.

PREV Unit^{3,4}: Frédérique Istace, Isabella De Magistris

Others:

Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Amparo Querol.

2. Adoption of agenda

The agenda was adopted with changes. Agenda item 4.3 was added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence⁶ and the Decision of the Executive Director on Competing Interest Management^{7,} EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. 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 of Interest made at the beginning of the meeting, please refer to the Annex.

Attending only on 5 and 7 December

² Attending only on 11 December

³ 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 Panels,

Attending for the discussion of item 4.1 and 4.2
 Attending only on 21 December

⁶ 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/competing_interest_management_17.pdf

MEETING MINUTES – 05, 07, 11, 13, and 21 December 77th Working Group meeting on Microbiology



- **4.1.** The working group discussed the Guidance on the risk assessment of microorganisms intentionally added to the food chain (EFSA-Q-2022-00249) and decided that further discussion is needed.
- **4.2.** The working group discussed the Update of the EFSA statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain (EFSA-Q-2022-00250) and decided that further discussion is needed.
- **4.3.** The working group discussed the application for L-threonine for all animal species (EFSA-Q-2023-00049) and finalised the relevant sections of the draft opinion.

5. Next meeting

The next meeting will be held on 10, 24 and 25 January.

MEETING MINUTES – 05, 07, 11, 13, and 21 December 77th Working Group meeting on Microbiology



Annex

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

With regard to this meeting, Dr. Debora Glandorf declared the following interest: "Working Group Microbiele Gewasbeschermingsmiddelen", which provides input to the Dutch Ministry of Agriculture regarding scientific aspects of the new data requirements for microbial protection products. The role of Debora Glandorf in this Working group consists of providing input on the methodology and data requirements for the environmental risk assessment of GMOs, such as the use of problem formulation approach in the environmental risk assessment. In accordance with EFSA's Policy on Independence and the Decision of the Executive Director on Competing Interest Management, 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.

76th Working Group meeting on Microbiology 27 and 31 October, 9, 13, 17, 20, 22 and 23 November 09:00 - 11:00 / 09:00 - 18:00 / 09:00 - 18:00 MINUTES – Agreed on 23 November 2023



Location: Hybrid

Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Stéphane Brétagne, Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman¹, Miguel Prieto Maradona, Maria Saarela and Andrey Yurkov.

Hearing Experts^{2,3}:

Margarita Aguilera Gómez, José Sánchez Serrano, Laurence Vernis.

European Commission and/or Member States representatives:

Not Applicable

EFSA:

BIOHAW Unit²: Sandra Luisa de Almeida Florentino Correia, Beatriz Guerra Roman

FEEDCO Unit: Montserrat Anguita, Nicole Bozzi Cionci, Rosella Brozzi, Elisa Pettenati, Fabiola Pizzo, Jordi Tarres Call, Piera Valeri.

FIP Unit2: Jaime Aguilera Entrena, Ana Maria Gomes Teixeira Rocheta and Silvia Peluso

NIF Unit²: Dafni Kagkli, Reinhilde Schoonjans, Estefania Noriega Fernandez.

PREV Unit2: Frédérique Istace, Isabella De Magistris

Others:
 Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Amparo Querol.

2. Adoption of agenda

The agenda was adopted with changes. Agenda items 4.2 and 4.3, 4.4, 4.5, 4.6 and 4.7 were added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence⁴ and the Decision of the Executive Director on Competing Interest Management^{5,} 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.

Attending only on 22 November

² 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 Attending for the discussion of item 4.1

⁴ 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/competing_interest_management_17.pdf

MEETING MINUTES – 27 and 31 October, 9, 13, 17, 20, 22 and 23 **76th Working Group meeting on Microbiology**



- **4.1.** The working group discussed the Guidance on the risk assessment of microorganisms intentionally added to the food chain (EFSA-Q-2022-00249) and decided that further discussion is needed.
- **4.2.** The working group discussed the Update of the EFSA statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain (EFSA-Q-2022-00250) and decided that further discussion is needed.
- **4.3.** The working group discussed the application on the assessment of Vitamin B12 or cyanocobalamin produced by *Ensifer adhaerens* CGMCC 21299 for all animal species (EFSA-Q-2023-00409) and finalised the relevant sections of the draft opinion.
- **4.4.** The working group discussed the application on the assessment of L-isoleucine for all animal species (EFSA-Q-2023-00207) and finalised the relevant sections of the draft opinion.
- **4.5.** The working group discussed the application on the assessment of L-tryptophan produced by fermentation with *Corynebacterium glutamicum* KCCM80346 for all animal species (EFSA-Q-2022-00882) and identified issues that require clarification.
- **4.6.** The working group discussed the application on the assessment of L-threonine produced by fermentation with *Corynebacterium glutamicum* KCCM80367 for all animal species (EFSA-Q-2022-00873) and identified issues that require clarification.
- **4.7.** The working group discussed the application on the assessment of Bovacillus® (*Bacillus paralicheniformis* DSM33902 + *Bacillus subtilis* DSM33903) for dairy cows for milk production and other dairy ruminants (sheep, goat, buffalo etc.) (<u>EFSA-Q-2023-00454</u>) and finalised the relevant sections of the draft opinion.

5. Next meeting

The next meeting will be held on 5, 7, 11, 13 and 21 December.

75th Working Group meeting on Microbiology 29 September and 6,9,13,18 and 19 October 2023 9:00 – 11:00 / 9:00 – 11:00 / 9:00 - 12:00 / 09:00 - 11:00 / 09:00 - 18:00 / 09:00 - 18:00

....._._S - Aareed on 19 October 2023



Location: Hybrid

Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Stéphane Brétagne, Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Amparo Querol, Lieve Herman, Miguel Prieto Maradona, Maria Saarela and Andrey Yurkov.

Hearing Experts^{1,2}:

Margarita Aguilera Gómez, Phil Ashton, Christina Cuomo, Carmen Peláez, José Sánchez Serrano, Lolke Sijtsma, Laurence Vernis and René van der Vlugt.

• European Commission and/or Member States representatives:

Not Applicable

• EFSA:

BIOHAW Unit²: Sandra Luisa de Almeida Florentino Correia

FEEDCO Unit: Montserrat Anguita, Nicole Bozzi Cionci, Rosella Brozzi, Yolanda García Cazorla, Daniel Pages Plaza, Elisa Pettenati and Piera Valeri.

FIP Unit²: Jaime Aguilera Entrena, Ana Maria Gomes Teixeira Rocheta, Simone Lunardi and Silvia Peluso

MESE2: Alexis Nathanail

NIF Unit²: Reinhard Ackerl, Dafni Kagkli, Nikoletta Papadopoulou, Annamaria Rossi and

Reinhilde Schoonjans

PLANTS Unit²: Varvara Gouliarmou

PREV Unit2: Frédérique Istace

• Others:

Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Phil Ashton.

2. Adoption of agenda

The agenda was adopted with changes. Agenda items 4.2 and 4.3 and 4.4 were added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence³ and the Decision of the Executive Director on Competing Interest Management⁴, 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

¹ 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.ersa.europa.eu/en/keydocs/docs/docs/expertselection.pdi

2 Attending for the discussion of item 4.1

³ 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/competing_interest_management_17.pdf

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 topics for discussion

- **4.1.** The working group discussed the application on the Guidance on the risk assessment of microorganisms intentionally added to the food chain (EFSA-Q-2022-00249) and decided that further discussion is needed.
- **4.2.** The working group discussed the application on the assessment of *Saccharomyces cerevisiae* NCYC R618 (Benesacc) for chickens for fattening and avian species reared for laying and fattening (EFSA-Q-2023-00255) and identified the issues that require further clarification.
- **4.3.** A general discussion on the toxicological assessment of microbial based additives and the suitability of the test items took place.
- **4.4.** Not discussed: Saccharomyces cerevisiae CNCM I-1079 for dogs and all canidae other than dogs (EFSA-Q-2023-00486) and Endo-1,4-beta-xylanase (EC 3.2.1.8.) and endo-1,4-beta-glucanase (EC 3.2.1.4.) (Natugrain TS/TS L) for pigs for fattening and all pigs (EFSA-Q-2023-00042).

5. Next meeting

The next meeting will be held on 22 and 23 November.

74th Working Group meeting on Microbiology

11, 12, 18, 20 and 21 September 2023

11:00 - 13:00 / 11:00 - 13:00 / 14:00 - 18:00 /

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

....._S - Aareed on 21 September 2023



Location: Tele-conference

Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona and Maria Saarela.

• Hearing Experts^{1,2}:

Margarita Aguilera Gómez, José Sánchez Serrano, Lolke Sijtsma, Laurence Vernis and René van der Vlugt.

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Natalia Alija Novo, Montserrat Anguita, Nicole Bozzi Cionci, Stefani Fruk, Yolanda García Cazorla, Jordi Ortuño and Elisa Pettenati.

FIP Unit²: Jaime Aguilera Entrena, Ana Maria Gomes Teixeira Rocheta, Simone Lunardi, Eleonora Marini and Silvia Peluso

NIF Unit²: Estefanía Noriega Fernández and Reinhilde Schoonjans

BIOHAW Unit2: Sandra Luisa de Almeida Florentino Correia

PREV Unit2: Frédérique Istace

Others:

Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. No apologies were received.

2. Adoption of agenda

The agenda was adopted without changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence³ and the Decision of the Executive Director on Competing Interest Management⁴, 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 topics for discussion

4.1. The working group discussed the application on the Guidance on microbial characterisation (EFSA-Q-2022-00249) and decided that further discussion is needed.

and defined in Article 17 of the Decision of the Executive Director concerning the selection of members of the Scientific Committee the Scientific Panels, attending for the discussion of item 4.1

³ 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/competing_interest_management_17.pdf

MEETING MINUTES – 11, 12, 18, 20 and 21 September 2023 74th Working Group meeting on Microbiology



- **4.2.** The working group discussed the application on the assessment of Fumonisin esterase EC 3.1.1.87 (EFSA-Q-2023-00203) and identified the issues that require clarification.
- **4.3.** The working group discussed the application on the assessment of L-threonine, as feed additive (EFSA-Q-2023-00049) and identified the issues that require clarification.
- **4.4.** The working group discussed the application on the assessment of preparation of endo-1,3(4)-beta-glucanase (EC 3.2.1.6) produced by *Trichoderma reesei* (CBS 126896) (EFSA-Q-2023-00251) and identified the issues that require clarification.
- **4.5.** The working group discussed the application on the assessment of alpha-amylase (E.C. 3.2.1.1) produced by *Bacillus licheniformis* DSM 34315 (EFSA-Q-2023-00043) and identified the issues that require clarification.

5. Next meeting

The next meeting will be held on 18 and 19 October, in Parma.

73rd Working Group meeting on Microbiology

31 August 2023 09:00-13:00

MINUTES - Agreed on 31 August 2023



Location: Tele-conference

Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Stéphane Bretagne, Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona, Amparo Querol, Maria Saarela, and Andrey Yurkov.

Hearing Experts1:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Natalia Alija Novo, Montserrat Anguita, Angelica Amaduzzi, Rosella Brozzi, Nicole Bozzi Cionci, and Yolanda García Cazorla.

PREV Unit: Renata Leuschner²

FIP Unit: Jaime Aquilera Entrena²

Others: Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. No apologies were received.

2. Adoption of agenda

The agenda was adopted with changes. The item 4.6 was added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence³ and the Decision of the Executive Director on Competing Interest Management^{4,} 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.

- 4.1. The working group discussed the application on the Guidance on microbial characterisation (EFSA-Q-2022-00249) and decided that further discussion is needed.
- 4.2. The working group discussed the application on the assessment of Quantum blue (6phytase) for fish (EFSA-Q-2021-00313) and finalised the relevant sections of the draft opinion.

¹ 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 Attending for the discussion of item 4.1

³ 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/competing_interest_management_17.pdf

MEETING MINUTES – 31 August 2023 73rd Working Group meeting on Microbiology



- **4.3.** The working group discussed the application on the assessment of Bonvital for Chickens reared for laying and Minor poultry species other than those used for laying (EFSA-Q-2022-00531) and finalised the relevant sections of the draft opinion.
- **4.4.** The working group discussed the application on the assessment of Provita LE (*Enterococcus faecium* DSM 7134 and *Lacticaseibacillus rhamnosus* DSM 7133) for calves (*EFSA-Q-2022-00820*) and finalised the relevant sections of the draft opinion.
- 4.5. The working group discussed the application on the assessment of TechnoSpore 50-Weizmannia coagulans DSM 32016 (formerly classified as Bacillus coagulans DSM 32016) (EFSA-Q-2022-00316 & EFSA-Q-2022-00221) and finalised the relevant sections of the draft opinion.
- **4.6.** The working group discussed the application on the assessment of L-tryptophan as new feed additive (EFSA-Q-2023-00048) and identified issues that require clarification.

5. Next meeting

The next meeting will be held on 18, 20 and 21 September, via web-conference

72nd Working Group meeting on Microbiology

28 June 2023 09:00-17:00

MINUTES – Agreed on 28 June 2023



Location: Tele-conference

Attendees:

• Working Group Members:

Baltasar Mayo (Chair of the Working Group), Stéphane Bretagne, Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona, Amparo Querol, Maria Saarela, and Andrey Yurkov.

• Hearing Experts1:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Natalia Alija Novo, Rosella Brozzi, Nicole Bozzi Cionci, Yolanda García Cazorla, Orsolya Holczknecht, Daniel Pagés Plaza, Elisa Pettenati and Barbara Rossi.

Others: Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Amparo Querol.

2. Adoption of agenda

The agenda was adopted with changes. The items 4.7 and 4.8 were added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management^{3,} 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.

- **4.1.** The working group discussed the application on the assessment of Sacox® (salinomycin sodium) for rabbits for fattening [Article 4] (<u>EFSA-Q-2020-00282</u>) and finalised the relevant sections of the draft opinion.
- **4.2.** The working group discussed the application on the assessment of renewal of authorization feed additive 4b1710 (*Saccharomyces c.* MUCL 39885) on cattle for fattening (<u>EFSA-Q-2022-00513</u>) and identified issues that require clarification.

¹ 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 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
http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

MEETING MINUTES – 28 June 2023 72nd Working Group meeting on Microbiology



- **4.3**. The working group discussed the application on the assessment of new use and renewal for the additive *Bacillus velezensis* PB6 (EFSA-Q-2022-00320) and finalised the relevant sections of the draft opinion.
- **4.4.** The working group discussed the application on the assessment of Biomin[®] C5 (EFSA-Q-2022-00321) and finalised the relevant sections of the draft opinion.
- **4.5.** The working group discussed the application on the assessment of Huvezym neXo for use in all pigs (EFSA-Q-2022-00326) and finalised the relevant sections of the draft opinion.
- **4.6.** The working group discussed the application on the assessment of *Saccharomyces cerevisiae* Canobios-BL for cats and dogs (EFSA-Q-2022-00373) and finalised the relevant sections of the draft opinion.
- **4.7.** The working group discussed the application on the assessment of TechnoSpore 50-Weizmannia coagulans DSM 32016 (formerly classified as Bacillus coagulans DSM 32016) (EFSA-Q-2022-00316) and identified issues that require clarification.
- **4.8.** The working group discussed the application on the assessment of Econase XT (4a8, CBS 114044) for laying hens, minor poultry and fattening pigs (EFSA-Q-2022-00027) and finalised the relevant sections of the draft opinion.

5. Next meeting

The next meeting will be held on 31 August, via web-conference

71st Working Group meeting on Microbiology

17 May 2023 09:00-14:00

MINUTES - Agreed on 17 May 2023



Location: Tele-conference

Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Stéphane Bretagne, Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona, Amparo Querol, Maria Saarela, and Andrey Yurkov.

• Hearing Experts1:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Natalia Alija Novo, Angelica Amaduzzi, Rosella Brozzi, Nicole Bozzi Cionci, Stefani Fruk, Yolanda García Cazorla, Jordi Ortuño Casanova, Daniel Pagés Plaza, Elisa Pettenati and Barbara Rossi.

 Others: Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants.

Apologies from Amparo Querol were received.

2. Adoption of agenda

The agenda was adopted with changes. The items 4.10 and 4.11 were added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management^{3,} 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.

- **4.1.** The working group discussed the application on the assessment of Biomin® C3 (*Enterococcus faecium* DSM 21913, *Bifidobacterium animalis* subsp. *animalis* DSM 16284 and *Ligilactobacillus salivarius* DSM 16351) for growing poultry (EFSA-Q-2022-00374) and finalised the relevant sections of the draft opinion.
- **4.2.** The working group discussed the application on the assessment of Free Yeast® F (Fumonisin B1 esterase (3.1.1.87) produced by *Komagataella phaffii* NCAIM (P) Y001485) for piglets (suckling and weaned), pigs for fattening, sows for reproduction and sows in order to have

¹ 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 http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

MEETING MINUTES – 17 May 2023 71st Working Group meeting on Microbiology



benefit in piglets (EFSA-Q-2021-00470) and finalised the relevant sections of the draft opinion.

- **4.3.** The working group discussed the application on the assessment of Quantum Blue (6-phytase) for fish (EFSA-Q-2021-00313) and identified issues that require clarification.
- **4.4.** The working group discussed the application on the assessment of Xanthan gum for all animal species (EFSA-Q-2023-00078) and identified issues that require clarification.
- **4.5.** The working group discussed the application on the assessment of the follow-up opinion linked to EFSA-Q-2013-00767 Monteban® G100 (narasin) for chickens for fattening (EFSA-Q-2020-00557) and identified issues that require clarification.
- **4.6.** The working group discussed the application on the assessment of Maxiban G160 (narasin and nicarbazin) for chickens for fattening [Article 14] (EFSA-Q-2019-00739) and identified issues that require clarification.
- **4.7.** The working group discussed the application on the assessment of HiPhorius (6-phytase) for all poultry, pigs and fish (EFSA-Q-2022-00082) and identified issues that require clarification.
- **4.8.** The working group discussed the application on the assessment of AveMix XG 10 (endo-1,4-beta-xylanase and endo-1,3(4)-beta-glucanase) for piglets (suckling and weaned piglets) (EFSA-Q-2022-00807) and identified issues that require clarification.
- **4.9.** The working group discussed the application on the assessment of $AveMix^{\circledR}$ 02CS (endo-
 - 1,4-beta-xylanase,endo-1,3 (4)-beta-glucanase and polygalacturonase) for piglets (weaned) (EFSA-Q-2020-00635) and identified issues that require clarification.
- **4.10.** The working group discussed the application on the assessment of AveMix 02 CS (endo-1,4-beta-xylanase, endo-1,3(4)-beta-glucanase and polygalacturonase) for piglets (suckling) (EFSA-Q-2020-00840) and identified issues that require clarification.
- **4.11.** The working group discussed the application on the assessment of TechnoSpore 50-Weizmannia coagulans DSM 32016 (formerly classified as Bacillus coagulans DSM 32016) (EFSA-Q-2022-00221/ EFSA-Q-2022-00316) and identified issues that require clarification.
- **4.12.**Not discussed: follow-up opinion linked to EFSA-Q-2018-01040 Avizyme® 1505 (endo-
 - 1,4-beta-xylanase produced by *Trichoderma reesei* (ATCC PTA 5588), subtilisin produced by *Bacillus subtilis* (ATCC 2107) and alpha-amylase produced by *Bacillus amyloliquefaciens* (ATCC 3978)) for all poultry species (<u>EFSA-Q-2021-00694</u>) and AveMix XG 10 (xylanase and beta-glucanase produced by *T. longibrachiatum* (MUCL 49755 & 49754)) (<u>EFSA-Q-2021-00673</u>).

5. Next meeting

The next meeting will be held on 28 June, via web-conference

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

70th Working Group meeting on Microbiology

12-13 April 2023

09:00-18:00/09:00-18:00

MINUTES -Agreed by writing procedure on 28 April 2023



Location: Parma

Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Philip Ashton¹, Stéphane Bretagne, Henrik Christensen, Christina Cuomo¹, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona, Amparo Querol, Maria Saarela, Yolanda Sanz² and Andrey Yurkov.

Hearing Experts³:

Luisa Peixe4

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Natalia Alija Novo, Rosella Brozzi, Nicole Bozzi Cionci, Stefani Fruk, Yolanda García Cazorla, Matteo Innocenti, Jordi Ortuño Casanova, Elisa Pettenati, Joana Revez and Barbara Rossi.

FIP Unit: Jaime Aguilera Entrena, Simone Lunardi and Eleonora Marini¹

PREV Unit: Dimitra Kardassi1

Others: Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants.

No apologies were received.

2. Adoption of agenda

The agenda was adopted with changes. The item 4.3 was added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence⁵ and the Decision of the Executive Director on Competing Interest Management^{6,} 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 the follow-up opinion linked to EFSA-Q-2021-00462 L-Lysine monohydrochloride, concentrated liquid L-lysine, concentrated liquid

http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

Attending for the discussion of items 4.6
 Attending for the discussion of items 4.6 and 4.7

³ 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 expertise to assist EFSA with its scientific work: http://www.ersa.europa.eu/en/keyaccs/accs/expertiselection.pgi
4 Attending for the discussion of items 4.7

⁶ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

MEETING MINUTES – 12-13 April 2023 70th Working Group meeting on Microbiology



- L-lysine monohydrochloride for all animal species (EFSA-Q-2023-00018) and finalised the relevant sections of the draft opinion.
- 4.2. The working group discussed the application on the assessment of TechnoSpore 50-Weizmannia coagulans DSM 32016 (formerly classified as Bacillus coagulans DSM 32016) (EFSA-Q-2022-00221/ EFSA-Q-2022-00316) and decided that further discussion is needed.
- **4.3.** The working group discussed the application on the assessment of the follow-up opinion linked to EFSA-Q-2013-00752 Elancoban® (monensin sodium) for chickens for fattening, chickens reared for laying and turkeys (EFSA-Q-2021-00537) and finalised the relevant sections of the draft opinion.
- 4.4. The working group discussed the application on the assessment of AGal-Pro BL and AGal-Pro BL-L (alpha-galactosidase (EC3.2.1.22), endo-1,4-betaglucanase (EC3.2.1.4)) for chickens and minor poultry species for fattening and chickens reared for laying [Article 14] (EFSA-Q-2021-00128) and finalised the relevant sections of the draft opinion.
- **4.5.** The working group discussed the Update of the EFSA statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain (EFSA-Q-2022-00250) and decided that further discussion is needed.
- **4.6.** The working group discussed the Update of the Guidance on the characterisation of microorganisms used as feed additives or as production organisms (<u>EFSA-Q-2022-00249</u>) and decided that further discussion is needed.
- **4.7.** Not discussed: follow-up opinion linked to EFSA-Q-2013-00767 Monteban® G100 (narasin) for chickens for fattening (EFSA-Q-2020-00557) and Maxiban G160 (narasin and nicarbazin) for chickens for fatteing [Article 14] (EFSA-Q-2019-00739).

5. Any other business

5.1. A general discussion took place on the criteria for the assessment of the efficacy of microorganisms used as hygiene condition enhancers.

6. Next meeting

The next meeting will be held on 17 May, via web-conference

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

69th Working Group meeting on Microbiology

29 March 2023 09:00-13:00

MINUTES - Agreed on 29 March 2023



Location: Web-conference

Attendees:

• Working Group Members:

Baltasar Mayo (Chair of the Working Group), Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona, Maria Saarela and Andrey Yurkov.

• Hearing Experts¹:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Natalia Alija Novo, Rosella Brozzi, Nicole Bozzi Cionci, Yolanda García Cazorla, Elisa Pettenati, Barbara Rossi and Jordi Tarrés Call.

Others:
 Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants.

No apologies were received.

2. Adoption of agenda

The agenda was adopted without changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management^{3,} 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 the assessment of the feed additive consisting of Lactiferm® (Enterococcus faecium NCIMB 11181) for piglets (weaned), calves for fattening and calves for rearing (EFSA-Q-2022-00553) and identified issues that require clarification.
- **4.2.** The working group discussed the application on the assessment of a feed additive consisting of Provita LE (*Enterococcus faecium* DSM 7134 and *Lacticaseibacillus rhamnosus* DSM 7133) for calves for rearing (<u>EFSA-Q-2022-00820</u>) and identified issues that require clarification.
- **4.3.** The working group discussed the application on the assessment of a feed additive consisting of Bonvital (*Enterococcus faecium* DSM 7134) for chickens reared for laying and minor

¹ 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 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
http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

MEETING MINUTES – 29 March 2023 69th Working Group meeting on Microbiology



poultry species other than those used for laying (EFSA-Q-2022-00531) and identified issues that require clarification.

- **4.4.** The working group discussed the application the assessment of a feed additive consisting of Cylactin® (*Enterococcus faecium* (proposed as *Enterococcus lactis*) NCIMB 10415) for cats and dogs (<u>EFSA-Q-2022-00817</u>) and identified issues that require clarification.
- **4.5.** Items not discussed: Safety and efficacy of a feed additive consisting of narasin (Monteban® 100G) for chickens for fattening (EFSA-Q-2020-00557) and Maxiban G160 (narasin and nicarbazin) for chickens for fattening (EFSA-Q-2019-00739).

5. Any other business

5.1. A general discussion took place on the criteria for the assessment of the efficacy of microorganisms used as hygiene condition enhancers.

6. Next meeting

The next meeting will be held on 12 and 13 April, in Parma

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

68th Working Group meeting on Microbiology

1st March 2023 09:00-18:00

MINUTES - Agreed on 1 March 2023



Location: Webconference

Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Amparo Querol, Miguel Prieto Maradona, Yolanda Sanz¹, Maria Saarela and Andrey Yurkov.

Hearing Experts²:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Natalia Alija Novo, Rosella Brozzi, Nicole Bozzi Cionci, Stefani Fruk, Yolanda García Cazorla, Orsolya Holczknecht, Jordi Ortuño Casanova, Elisa Pettenati, Barbara Rossi, Jordi Tarres Call and Maria Vittoria Vettori.

FIP Unit³: Jaime Aguilera Entrena, Eleonora Marini and Silvia Peluso.

BIOHAW Unit4: Beatriz Guerra Roman.

Others:

Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants.

No apologies were received.

2. Adoption of agenda

The agenda was adopted with changes (Items 4.1 and 4.2 were added).

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence⁵ and the Decision of the Executive Director on Competing Interest Management^{6,} 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 safety and efficacy of a feed additive consisting of narasin (Monteban® 100G) for chickens for fattening (EFSA-Q-2020-00557) and finalised the relevant sections of the draft opinion.

Attending for the discussion of items 4.9 and 4.10

² 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

Attending for the discussion of items 4.9 and 4.10
 Attending for the discussion of items 4.9 and 4.10

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/competing_interest_management_17.pdf

MEETING MINUTES – 1 March 2023 68th Working Group meeting on Microbiology



- **4.2.** The working group discussed the application on Maxiban G160 (narasin and nicarbazin) for chickens for fattening (EFSA-Q-2019-00739) and finalised the relevant sections of the draft opinion.
- **4.3.** The working group discussed the application on safety and efficacy of a feed additive consisting of 6-phytase (produced by *Aspergillus niger* DSM 25770) (Natuphos® E) for all pigs and all *Suidae* (EFSA-Q-2022-00509) and identified issues that require clarification.
- 4.4. The working group discussed the application on safety and efficacy of a feed additive consisting of vitamin B12 (cyanocobalamin) produced by fermentation with non-genetically modified Ensifer adhaerens CGMCC 19596 for all animal species (EFSA-Q-2021-00571) and finalised the relevant sections of the draft opinion.
- 4.5. The working group discussed the application on the safety and efficacy of a feed additive consisting of endo-1,4-beta-glucanase produced by *Trichoderma citrinoviride* IMI 360748 (Hostazym C) for use in chickens for fattening, minor poultry species for fattening and weaned piglets for the renewal of its authorisation and for the extension of use in feed for chickens reared for laying, turkeys reared for breeding, minor poultry species reared for laying or breeding, ornamental birds and suckling piglets (EFSA-Q-2021-00157) and finalised the relevant sections of the draft opinion.
- **4.6.** The working group discussed the application on safety and efficacy of a feed additive consisting of lactic acid for animal species except fish (EFSA-Q-2022-00625) and finalised the relevant sections of the draft opinion.
- **4.7.** The working group discussed the application on the Safety and efficacy of a feed additive consisting of *Saccharomyces cerevisiae* DSM 34246 (Canobios-BL) for cats and dogs (EFSA-Q-2022-00373) and identified issues that require clarification.
- **4.8.** The working group discussed the application on safety and efficacy of a feed additive consisting of BIOMIN® BBSH® 797 (microorganism strain DSM 11798) for pigs and all avian species (EFSA-Q-2022-00793) and finalised the relevant sections of the draft opinion.
- **4.9.** The working group discussed the status of the update of the EFSA statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain (EFSA-Q-2022-00250) and decided that further discussion is needed.
- **4.10.** The working group discussed the status of the update of the FEEDAP guidance on the characterisation of microorganisms used as feed additives or as production organisms (EFSA-Q-2022-00249) and decided that further discussion is needed.

5. Any other business

Not Applicable

6. Next meeting

To be confirmed.

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

67th Working Group meeting on Microbiology

14 February 2023 14:30-17:30

MINUTES - Agreed by written procedure on 17 February 2023



Location: Web conference

Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Pier Sandro Cocconcelli, Christina Cuomo and Andrey Yurkov

Hearing Experts¹:

Not Applicable

European Commission and/or Member States representatives: Not Applicable

FEEDCO Unit: Natalia Alija Novo, Rosella Brozzi, Nicole Bozzi Cionci, Yolanda García Cazorla, and Elisa Pettenati

Others: Not Applicable

1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Philip Ashton and Edward John Louis.

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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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

The participants discussed the update of the EFSA statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain (EFSA-Q-2022-00250) and decided that further discussion is needed.

5. Any Other Business

Not Applicable

¹ 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

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/competing_interest_management_17.pdf

MEETING MINUTES - 14 February 2023 67th Working Group meeting on Microbiology



6. Next meeting

Tho	novt	mooting	will bo	hold on	1 March	2022	via woh	conference	
ıne	next	meetina	will be	neia on	ı ıvıarcı	2023.	via web	conterence	

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

66th Working Group meeting on Microbiology

7 February 2023

09:00-13:00 / 14:00-17:00

MINUTES - Agreed on 7 February 2023



Location: Web conference

Attendees:

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Stéphane Brétagne, Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Amparo Querol, Miguel Prieto Maradona1, Maria Saarela and Andrey Yurkov.

Hearing Experts²:

Mariel Pikkemaat³

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Natalia Alija Novo, Montserrat Anguita Freixa, Rosella Brozzi, Nicole Bozzi Cionci, Stefani Fruk, Yolanda García Cazorla, Orsolya Holczknecht, Alberto Navarro Villa, Jordi Ortuño Casanova, Daniel Pagés Plaza, Elisa Pettenati, Barbara Rossi, Jordi Tarres Call and Maria Vittoria Vettori

Others: Not applicable

1. Welcome and apologies for absence

The Chair welcomed the participants.

No apologies were received.

2. Adoption of agenda

The agenda was adopted with changes (Items 4.2, 4.8 and 4.9 were added).

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence4 and the Decision of the Executive Director on Competing Interest Management^{5,} 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

- The working group discussed the application on the safety and efficacy of a feed additive consisting of Enterococcus faecium DSM 21913, Bifidobacterium animalis DSM 16284 and Ligilactobacillus salivarius (formerly Lactobacillus salivarius) DSM 16351 (Biomin® C3) for growing poultry (EFSA-Q-2022-00374) and identified issues that require clarification.
- The working group discussed the application on the safety and efficacy of the a feed additive consisting of fumonisin B1 esterase produced by Komagataella phaffii NCAIM Y001485 for

¹ Attending for the discussion of item 5.1.

² 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 Attending for the discussion of item 5.1.

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/competing_interest_management_17.pdf

MEETING MINUTES – 7 February 2023 66th Working Group meeting on Microbiology



- piglets (suckling and weaned), pigs for fattening, sows for reproduction and sows in order to have benefit in piglets (EFSA-Q-2021-00470) and identified issues that require clarification.
- 4.3. The working group discussed the application on Lacticaseibacillus casei K9-1, Limosilactobacillus fermentum K9-2, Levilactobacillus brevis WF-1B and Enterococcus faecium WF-3 (K-9 Heritage Probiotic Blend®) for dogs (EFSA-Q-2021-00383) and finalised the relevant sections of the draft opinion.
- **4.4.** The working group discussed the application on IMP (disodium 5-inosinate) produced by fermentation with Corynebacterium stationis KCCM 80235 (<u>EFSA-Q-2022-00400</u>) and finalised the relevant sections of the draft opinion.
- 4.5. The working group discussed the application on L-Isoleucine produced by fermentation with Corynebacterium glutamicum KCCM 80185 for all animal species (EFSA-Q-2022-00399) and finalised the relevant sections of the draft opinion.
- 4.6. The working group discussed the application on the follow-up opinion linked to EFSA-Q-2018-01040 Avizyme® 1505 (endo-1,4-beta-xylanase produced by Trichoderma reesei (ATCC PTA 5588), subtilisin produced by Bacillus subtilis (ATCC 2107) and alpha-amylase produced by Bacillus amyloliquefaciens (ATCC 3978)) for all poultry species (EFSA-Q-2021-00694) and identified issues that require clarification.
- 4.7. The working group discussed the application on the safety and efficacy of a feed additive consisting of monensin sodium (Elancoban® G200) for chickens for fattening, chickens reared for laying and turkeys (EFSA-Q-2021-00537) and identified issues that require clarification.
- 4.8. The working group discussed the application on the safety and efficacy of the a feed additive consisting of protease (EC 3.4.21.62) produced by Bacillus licheniformis DSM 33099 (ProAct 360) for use in all poultry species for fattening (EFSA-Q-2021-00544) and finalised the relevant sections of the draft opinion.
- 4.9. The working group discussed the application on the Safety and efficacy of a feed additive consisting of muramidase (Balancius™) produced by Trichoderma reesei DSM 32338 for laying hens (EFSA-Q-2022-00318) and identified issues that require clarification.
- **4.10.** The working group discussed the status of the update of the FEEDAP guidance on the characterisation of microorganisms used as feed additives or as production organisms (EFSA-Q-2022-00249) and decided that further discussion is needed.
- **4.11.** Item not discussed: Safety and efficacy of a feed additive consisting of vitamin B12 (cyanocobalamin) produced by fermentation with non-genetically modified Ensifer adhaerens CGMCC 19596 for all animal species (EFSA-Q-2021-00571).

5. Any other business

5.1. A presentation on a European project on the use of ionophoric coccidiostats in poultry and the potential risk of co-selection of antimicrobial resistance was made by Mariel Pikkemaat.⁶

6. Next meeting

The next meeting will be held on 14 February 2023, via web conference.

⁶ JPIAMR project https://www.jpiamr.eu/projects/iconic/

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

65th Working Group meeting on Microbiology

20 January 2023 14:30-18:30

MINUTES - Agreed by written procedure on 26 January 2023



Location: Web conference

Attendees:

- Working Group Members:
 Baltasar Mayo (Chair of the Working Group), Philip Ashton and Christina Cuomo
- Hearing Experts: Not Applicable
- European Commission and/or Member States representatives: Not Applicable
- EFSA:

FEEDCO Unit: Natalia Alija Novo, Yolanda García Cazorla and Elisa Pettenati.

Others: Not Applicable

1. Welcome and apologies for absence

The Chair welcomed the participants.

Apologies were received from Edward John Louis.

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 Independence1 and the Decision of the Executive Director on Competing Interest Management2, 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 update of the EFSA statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain (EFSA-Q-2022-00250) and decided that further discussion is needed.

5. Any Other Business

Not Applicable

6. Next meeting

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

 $^{{\}color{red}{}^2~http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf}$

MEETING MINUTES - 20 January 2023 65th Working Group meeting on Microbiology







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

MINUTES OF THE 64TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 15 December 2022

(Agreed on 15 December 2022)

Participants

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Stéphane Brétagne, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona and Andrey Yurkov.

Hearing Experts1:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Natalia Alija Novo, Rosella Brozzi, Stefani Fruk, Yolanda García Cazorla, Elisa Pettenati and Joana Revez.

MESE Unit: Irene Pilar Muñoz Guajardo and Irene Da Costa.

Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participants.

¹ 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. Agenda items 4.1 and 4.2 were added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management³, EFSA screened the Annual Declarations of Interest filled out by the 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 Endo-1,4-β-D-mannanase produced by *Thermothelomyces thermophilus* DSM 33149 (Natupulse® TS/TS L) for chickens and turkeys for fattening, minor growing poultry species and ornamental birds (EFSA-Q-2021-00694) and finalised the relevant sections of the draft opinion.
- 4.2. The Working Group discussed the application on Lentilactobacillus buchneri NCIMB 40788, CNCM I-4323 (formerly Lactobacillus buchneri), Lactiplantibacillus plantarum CNCM I-3235 (formerly Lactobacillus plantarum), Lactiplantibacillus plantarum CNCM I-3736 DSM 11672 (formerly Lactobacillus plantarum CNCM MA 18/5U), Pediococcus acidilactici CNCM I-3237, Pediococcus acidilactici CNCM I-4622 DSM 11673 (formerly Pediococcus acidilactici 18/5M **DSM** 11673), Pediococcus pentosaceus **NCIMB** Acidipropionibacterium acidipropionici CNCM I-4661 (formerly Propionibacterium acidipropionici CNCM MA 26/4U) and Lentilactobacillus buchneri NCIMB 40788 CNCM I-4323 & Lentilactobacillus hilgardii CNCM I-4785 (formerly Lactobacillus buchneri & Lactobacillus hilgardii) for all animal species (EFSA-Q-2021-00426) and finalised the relevant sections of the draft opinion.
- **4.3.** The Working Group discussed the application on the follow-up opinion linked to EFSA-Q-2017-00724 Bafasal® (preparation of bacteriophages 3sent1, 8sent65, 8sent1748 & 5sent1) for all avian species (EFSA-Q-2022-00196) and finalised the relevant sections of the draft opinion.
- **4.4.** The Working Group discussed 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 (EFSA-Q-2022-00234) and finalised the relevant sections of the draft opinion.
- **4.5**. Item not discussed: Follow-up opinion linked to EFSA-Q-2018-01040 Avizyme® 1505

(endo-1,4-beta-xylanase produced by *Trichoderma reesei* (ATCC PTA 5588), subtilisin produced by *Bacillus subtilis* (ATCC 2107) and alpha-amylase produced by *Bacillus amyloliquefaciens* (ATCC 3978)) for all poultry species (EFSA-Q-2021-00694).

 $^2\ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf$

³ 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

20 January 2023





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

MINUTES OF THE 63rd MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 16 November 2022

(Agreed on 16 November 2022)

Participants

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Stéphane Brétagne, Henrik Christensen, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona, Maria Saarela and Andrey Yurkov.

Hearing Experts1:

Denis Habauzit²

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Natalia Alija Novo, Yvette Dirven, Stefani Fruk, Yolanda García Cazorla, Matteo Innocenti, Daniel Pages Plaza, Elisa Pettenati, Fabiola Pizzo, Barbara Rossi, Elena Rovesti and Tuuli Tauriainen.

Others:

Not Applicable

1. Welcome and apologies for absence

¹ 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 Attending for the discussion of item 5.1.





EFSA welcomed the participants.

Apologies were received from Pier Sandro Cocconcelli.

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 Independence³ and the Decision of the Executive Director on Competing Interest Management⁴, 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 Ronozyme® Multigrain (endo-1,4-beta-xylanase (EC 3.2.1.8), endo-1,3(4)-beta-glucanase (EC 3.2.1.6) and endo-1,4-beta-glucanase (EC 3.2.1.4), produced by *Trichoderma reesei* (ATCC 74444)) for poultry for fattening other than turkeys for fattening, poultry for laying, turkeys for fattening, piglets (weaned) and pigs for fattening (EFSA-O-2021-00498) and finalised the relevant sections of the draft opinion.
- 4.2. The Working Group discussed the application on TechnoSpore50 (*Weizmannia coagulans* DSM 32016) for poultry reared for breeding, poultry reared for laying, poultry for fattening, ornamental birds, suckling and weaned Suidae piglets (EFSA-Q-2022-00221) and identified issues that require clarification.
- 4.3. The Working Group discussed the application on Biomin® C5 (Preparation of Enterococcus faecium DSM 33761, Pediococcus acidilactici DSM 33758, Bifidobacterium animalis DSM 16284, Limosilactobacillus reuteri DSM 33751 and Ligilactobacillus salivarius DSM 16351) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding, minor avian species other than laying species (EFSA-Q-2022-00321) and identified issues that require clarification.
- 4.4.The Working Group discussed the application on Syncra®SWI 201 TPT (*Bacillus amyloliquefaciens* BS918, *Bacillus amyloliquefaciens* BS1013, *Bacillus subtilis* BS3BP5 and Protease) (EFSA-Q-2019-00480) and identified issues that require clarification.
- 4.5. The Working Group discussed the application on Hex-2(trans)-enal as a technological additive (preservative) for poultry and swine (EFSA-Q-2022-00157) and decided that further discussion is needed.
- 4.6.The Working Group discussed the application on Preparation of Streptococcus salivarius K12 (ATCC BAA-1024, DSM 13084) (BLIS K12) (EFSA-Q-2021-00501) for pets and other non-food producing animals and decided that further discussion is needed.

³ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

⁴ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf

2





- 4.7. The Working Group discussed the application on BioPlus® 2B (*Bacillus licheniformis* DSM 5749 and *Bacillus subtilis* DSM 5750) for calves for fattening, other growing ruminants, piglets (suckling and weaned), other minor growing and reproductive porcine species, turkeys for breeding and other minor poultry species (EFSA-Q-2019-00736) and finalised the relevant sections of the draft opinion.
- **4.8.**Items not discussed: 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-2022-00234).

5. Any Other Business

5.1. A presentation on a project from ANSES on an on-going project on mycotoxins and other fungal secondary metabolites database was made by Denis Habauzit.

6. Next meeting(s)

15 December 2022





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

MINUTES OF THE 62ND MEETING OF THE WORKING GROUP ON MICROBIOLOGY

Held on 19 and 20 October 2022, Parma

(Agreed on 7 November 2022)

Participants

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Stéphane Brétagne, Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Amparo Querol, Miguel Prieto Maradona, Maria Saarela and Andrey Yurkov.

Hearing Experts¹:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EMA: Noemi Garcia del Blanco, Frédéric Klein and Pouneh Thomas²

EFSA:

FEED Unit: Natalia Alija Novo, Rosella Brozzi, Joana Firmino, Yolanda García Cazorla, Jordi Ortuño, Elisa Pettenati and Katja Schirmer

Others:

BIOHAW Unit: Beatriz Guerra³

¹ 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 Attending for the discussion of item 5.1





iDATA Unit: Giovanni Iacono⁴

FDP Unit: Oscar González

FIP Unit: Jaime Aguilera and Silvia Peluso⁵

1. Welcome and apologies for absence

The Chair welcomed the participants.

No apologies were received.

2. Adoption of agenda

The agenda was adopted with changes. Agenda items 4.12 and 4.16 were added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence⁶ and the Decision of the Executive Director on Competing Interest Management⁷, 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 RONOZYME® HiPhos (6-phytase) for poultry, pigs for fattening, piglets (weaned) and sows (EFSA-Q-2021-00342) and finalised the relevant sections of the draft opinion.
- 4.2. The Working Group discussed the application on HiPhorius™ (6-phytase (EC 3.1.3.2.6)) for all pigs, all avian species and all fish (EFSA-Q-2022-00082) and identified issues that require clarification.
- 4.3. The Working Group discussed the application on RONOZYME WX (CT), RONOZYME WX (L) (Endo-1,4-beta-xylanase (EC 3.2.1.8) for all pigs and all avian species (EFSA-Q-2022-00156) and identified issues that require clarification.
- 4.4. The Working Group discussed the application on Huvezym neXo (endo-1,4-beta-xylanase, endo-1,4-beta-glucanase and xyloglucan-specific-endo-beta-1,4-glucanase) for poultry and pigs (EFSA-Q-2021-00308) and finalised the relevant sections of the draft opinion.
- 4.5. The Working Group discussed the application on Hostazym C (endo-1,4-beta-glucanase (E.C.3.2.1.4)) for chickens for fattening, minor poultry species for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding, minor poultry species

³ Attending for the discussion of item 5.2.

⁴ Attending for the discussion of item 5.2

⁵ Attending for the discussion of item 5.2

⁶ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

⁷ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





- reared for breeding, minor poultry species reared for laying, ornamental birds, piglets (weaned) (EFSA-Q-2021-00342) and identified issues that require clarification.
- 4.6. The Working Group discussed the application on the follow-up opinion linked to <u>EFSA-Q-2017-00724</u> Bafasal® (preparation of bacteriophages 3sent1, 8sent65, 8sent1748 & 5sent1) for all avian species (<u>EFSA-Q-2022-00196</u>) and decided that further discussion is needed.
- 4.7. The Working Group discussed the application on the follow-up opinion linked to EFSA-Q-2018-00422 Sorbiflore® ADVANCE (*Lactobacillus rhamnosus* CNCM I-3698 and *Lactobacillus farciminis* CNCM I-3699) for weaned piglets (EFSA-Q-2021-00535) and finalised the relevant sections of the draft opinion.
- 4.8. The Working Group discussed the application on the follow-up opinion linked to EFSA-Q-2017-00756 Sorbiflore® ADVANCE (*Lactobacillus rhamnosus* CNCM I-3698 and *Lactobacillus farciminis* CNCM I-3699) for chickens for fattening (EFSA-Q-2021-00536) and finalised the relevant sections of the draft opinion.
- 4.9. The Working Group discussed the application on the follow-up opinion linked to EFSA-Q-2017-00754 Lactobacillus rhamnosus CNCM I-3698 and Lactobacillus farciminis CNCM I-3699 for all animal species (EFSA-Q-2021-00539) and finalised the relevant sections of the draft opinion.
- 4.10. The Working Group discussed the application on Nutrixtend Optim (beta-mannanase (EC 3.2.1.78) produced by *Aspergillus niger* (CBS 120604)) for chickens for fattening (EFSA-Q-2021-00549) and identified issues that require clarification.
- 4.11. The Working Group discussed the application on 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-2020-00620) and finalised the relevant sections of the draft opinion.
- 4.12. The Working Group discussed the application on RONOZYME® VP (CT) and RONOZYME® VP (L) (endo-1,3(4)-beta-glucanase (IUB No 3.2.1.6)) for weaned piglets and chickens for fattening (EFSA-Q-2019-00528) and finalised the relevant sections of the draft opinion.
- 4.13. The Working Group discussed the application on 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-2022-00234) and decided that further discussion is needed.
- 4.14. The Working Group discussed the applications on Microsaf (*Bacillus velezensis* (*amyloliquefaciens*) NRRL B-67647, *Bacillus pumilus* NRRL B-67648, *Bacillus licheniformis* NRRL B-67649) for chickens for fattening and other poultry for fattening (e.g. turkeys, ducks, geese, pheasants, quail, guinea fowl, ostrich) and ornamental birds (EFSA-Q-2021-00449) and identified issues that require clarification.
- 4.15. The Working Group discussed the application on Actisaf Sc47 (*Saccharomyces cerevisiae* CNCM I-4407) for rabbits for fattening and other non-food producing rabbits (EFSA-Q-2021-00382) and finalised the relevant sections of the draft opinion.
- 4.16. The Working Group discussed the application on L-valine produced by a non-GMO *Corynebacterium glutamicum* strain (CGMCC 18932) intended for all animal species (<u>EFSA-Q-2021-00566</u>) and finalised the relevant sections of the draft opinion.
- 4.17. Items not discussed: BioPlus® 2B (Bacillus licheniformis DSM 5749 and Bacillus subtilis DSM 5750) for calves for fattening, other growing ruminants, piglets (suckling and weaned), other minor growing and reproductive porcine species, turkeys for breeding and





other minor poultry species(<u>EFSA-Q-2019-00736</u>) and TechnoSpore50 (*Weizmannia coagulans* DSM 32016) for poultry reared for breeding, poultry reared for laying, poultry for fattening, ornamental birds, suckling and weaned Suidae piglets (<u>EFSA-Q-2022-00221</u>).

5. Any Other Business

- 5.1. A presentation on the European Medicines Agency draft guideline on quality, safety and efficacy of veterinary medicinal products specifically designed for phage therapy was made by representatives of the Novel Therapies and Technologies Working Party and the participants discussed common challenges on the risk assessment of bacteriophages.
- 5.2. The participants discussed technical aspects of whole genome sequence-based analysis of microorganisms intentionally added to food and feed.
- 5.3. A presentation on the Deutsche Sammlung von Mikroorganismen und Zellkulturen fungal culture collection was provided.
- 5.4. A proposal for the 2023 meetings calendar and future planning was made and the participants engaged in a discussion.

6. Next meeting

16 November 2022





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

MINUTES OF THE 61ST MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 21 September 2022

(Agreed on 21 September 2022)

Participants

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Henrik Christensen, Lieve Herman, Miguel Prieto Maradona and Maria Saarela

Hearing Expert:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEED Unit: 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 from (names).

2. Adoption of agenda





The agenda was adopted with changes. Agenda item 4.4 was added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence¹ and the Decision of the Executive Director on Competing Interest Management^{2,} 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 applications on Huvezym neXo (endo-1,4beta-xylanase, endo-1,4-beta-glucanase and xyloglucan-specific-endo-beta-1,4glucanase) for poultry and pigs (EFSA-Q-2021-00308) and identified issues that require clarification.
- The Working Group discussed the application on Correlink[™] ABS747 Bacillus 4.2. subtilis ABS747 (Bacillus velezensis NRRL B-67257) for chickens for fattening, turkeys for fattening, chickens reared for laying, turkeys reared for breeding, minor poultry species (EFSA-Q-2022-00233) and finalised the relevant sections of the draft opinion.
- The Working Group discussed the application on Correlink[™] ABS1781 *Bacillus* 4.3. subtilis ABS1781 (Bacillus velezensis NRRL B-67259) for chickens for fattening, turkeys for fattening, chickens reared for laying, turkeys reared for breeding, minor poultry species (EFSA-Q-2022-00264) and finalised the relevant sections of the draft opinion.
- 4.4. The Working Group discussed the application on the follow-up opinion linked to EFSA-Q-2017-00724 - Bafasal® (preparation of bacteriophages 3sent1, 8sent65, 8sent1748 & 5sent1) for all avian species (EFSA-Q-2022-00196) and decided that further discussion is needed.
- 4.5. Items not discussed: L-Histidine monohydrochloride monohydrate produced by fermentation with E. coli NITE SD 00329 for all animal species (EFSA-Q-2020-00808) and 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-2020-00620).

5. Next meeting(s)

19 and 20 October 2022

¹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





FEEDCO UNIT

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

MINUTES OF THE 60TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 24 and 31 August 2022

(Agreed on 21 September 2022 by written procedure)

Participants

Working Group Members: 1

Baltasar Mayo (Chair of the Working Group), Stephane Brétagne², Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona, Amparo Querol³, Maria Saarela, Yolanda Sanz and Andrey Yurkov⁴

Hearing Experts⁵:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Montserrat Anguita, Yolanda García Cazorla, Jordi Ortuño, Elisa Pettenati, Fabiola Pizzo, Joana Revez, Jordi Tarrés-Call and Maria Vittoria Vettori

Others:

Not Applicable

¹ Attending on 31 August, except if indicated otherwise

² Attending also on 24 for the discussion of item 5.1

³ Attending only on 24 August for the discussion of item 5.1

⁴ Attending also on 24 for the discussion of item 5.1

⁵ 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 without changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence⁶ and the Decision of the Executive Director on Competing Interest Management⁷, 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 preparation of 3-phytase produced by *Komagataella phaffii* (CECT 13171) presented in solid (FSF10000) and liquid (FLF1000) forms for chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, minor poultry species, pigs for fattening and minor porcine species for fattening (EFSA-Q-2020-00161) and finalised the relevant sections of the draft opinion.
- 4.1. The Working Group discussed the application on Pan-Zoot (pancreatin of porcine pancreas glands) for dogs (EFSA-Q-2021-00464) and finalised the relevant sections of the draft opinion.
- 4.2. The Working Group discussed the application on Axtra® XB 201 TPT and Axtra® XB 201 L (endo-1,4-beta-xylanase EC 3.2.1.8 and endo-1,3(4)-beta-glucanase (E.C 3.2.1.6)) for all avian species, piglets (suckling and weaned piglets), pigs for fattening, lactating sows (including minor porcine species) and minor growing porcine species (EFSA-Q-2020-00489) and finalised the relevant sections of the draft opinion.
- 4.3. The Working Group discussed the application on L-lysine monohydrochloride, Concentrated Liquid L-lysine, Concentrated Liquid L-lysine monohydrochloride for all animal species (EFSA-Q-2021-00462) and finalised the relevant sections of the draft opinion.
- 4.4. The Working Group discussed the application on L-Lysine monohydrochloride and L-lysine sulphate produced by *Corynebacterium glutamicum* CGMCC 17927 for

6 http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

⁷ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





- all animal species (EFSA-Q-2021-00439) and finalised the relevant sections of the draft opinion.
- 4.5. The Working Group discussed the application on BioPlus® 2B (*Bacillus licheniformis* DSM 5749 and *Bacillus subtilis* DSM 5750) for calves for fattening, other growing ruminants and piglets (suckling and weaned) (EFSA-Q-2019-00736) and decided that further discussion is needed.
- 4.6. The Working Group discussed the application on Vitamin B2 produced by *Bacillus subtilis* CGMCC 13326 for all animal species (EFSA-Q-2020-00637) and finalised the relevant sections of the draft opinion.
- 4.7. The Working Group discussed the application on 25- Hydroxycholecalciferol for all pigs, all poultry for fattening and ornamental birds, and other poultry species (EFSA-Q-2021-00641) and decided that further discussion is needed.
- 4.8. The Working Group discussed the application on *Lactobacillus plantarum* DSM 8862 and *Lactobacillus plantarum* DSM 8865 (BIO-SIL) for pigs, bovines, sheep, goats, horses (EFSA-Q-2021-00131) and finalised the relevant sections of the draft opinion.
- 4.9. The Working Group discussed the application on Hemicell® HT, Hemicell® HT-L (endo-1,4-beta-mannanase, EC 3.2.1.78) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding, pigs for fattening, weaned piglets, minor porcine species and minor avian species for fattening or reared for laying or breeding (EFSA-Q-2021-00346) finalised the relevant sections of the draft opinion.
- 4.10. The Working Group discussed the application on RONOZYME® HiPhos (6-phytase) for poultry, pigs for fattening, piglets (weaned) and sows (EFSA-Q-2021-00342) and identified issues that require clarification.
- 4.11. The Working Group discussed the application on Axtra® PHY GOLD 30 L, Axtra® PHY GOLD 30 T, Axtra® PHY GOLD 65 G (6-phytase) for all pigs and all poultry species (EFSA-Q-2020-00767) and finalised the relevant sections of the draft opinion.
- 4.12. The Working Group discussed the application on AGal-Pro BL and AGal-Pro BL-L (alpha-galactosidase (EC3.2.1.22), endo-1,4-betaglucanase (EC3.2.1.4)) for chickens and minor poultry species for fattening and chickens reared for laying (EFSA-Q-2021-00128) and identified issues that require clarification.
- 4.13. The Working Group discussed the application on red carotenoid rich *Paracoccus carotinifaciens* (Panaferd-AX) for salmon and trout (EFSA-Q-2017-00694) and decided that further discussion is needed.
- 4.14. Items not discussed: L-Histidine monohydrochloride monohydrate produced by fermentation with *E. coli* NITE SD 00329 for all animal species (EFSA-Q-2020-00808), Huvezym neXo (endo-1,4-beta-xylanase, endo-1,4-beta-glucanase and xyloglucan-specific-endo-beta-1,4-glucanase) for poultry and pigs (EFSA-Q-2021-00308), Correlink™ (*Bacillus subtilis* ABS747) for chickens for fattening, turkeys for fattening, chickens reared for laying, turkeys reared for breeding, minor poultry





species (EFSA-Q-2022-00233), and Correlink™ (*Bacillus subtilis* ABS1781) for chickens for fattening, turkeys for fattening, chickens reared for laying, minor poultry species (EFSA-Q-2022-00234).

5. Any Other Business

5.1. The new members of the Working Group were provided an induction session on the working principles and practices.

6. Next meeting(s)

21 September 2022





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

MINUTES OF THE 59TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 14 June 2022

(Agreed on 14 June 2022)

Participants

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona and Maria Saarela

Hearing Experts¹:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Rosella Brozzi, Yolanda García Cazorla, Elisa Pettenati Joana Revez and Maria Vittoria Vettori

Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participants.

¹ 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 from.

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 Independence² and the Decision of the Executive Director on Competing Interest Management^{3,} 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 Preparation of 3-phytase produced by *Komagataella phaffii* (CECT 13171) presented in solid (FSF10000) and liquid (FLF1000) forms for chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, minor poultry species, pigs for fattening and minor porcine species for fattening (EFSA-Q-2020-00161) decided that further discussion is needed.
- 4.2. The Working Group discussed the application on ProAct 360 (subtilisin protease produced by *Bacillus licheniformis* (DSM 33099)) for all growing poultry species (EFSA-Q-2021-00544) and identified issues that require clarification.
- 4.3. The Working Group discussed the application on Correlink™ (*Bacillus subtilis* ABS747) for chickens for fattening, turkeys for fattening, chickens reared for laying, turkeys reared for breeding, minor poultry species (<u>EFSA-Q-2022-00233</u>) and finalised the relevant sections of the draft opinion.
- 4.4. The Working Group discussed the application on L-lysine monohydrochloride, Concentrated Liquid L-lysine, Concentrated Liquid L-lysine monohydrochloride for all animal species (EFSA-Q-2021-00462) and decided that further discussion is needed.
- 4.5. The Working Group discussed the application on beta-xylanase (EC 3.2.1.8) produced by *Komagaetella phaffii* xyl-2 (DSM 33574), *Bacillus amyloliquefaciens* Ba-BPD1 (DSM 21836) and *Bacillus licheniformis* PWD-1 (ATCC 53757)) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding and minor avian species (EFSA-Q-2021-00312) and finalised the relevant sections of the draft opinion.

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

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 $^{{}^{3}\ \}underline{\text{http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf}$





- 4.6. The Working Group discussed the application on Vitamin B2 (riboflavin) produced by *Bacillus subtilis* KCCM 10445 for all animal species (EFSA-Q-2022-00103) and finalised the relevant sections of the draft opinion.
- 4.7. The Working Group discussed the application on the follow-up opinion linked to EFSA-Q-2013-00752 Elancoban® (monensin sodium) for chickens for fattening, chickens reared for laying, turkeys (EFSA-Q-2021-00537) and further discussion is needed.
- 4.8. The Working Group discussed the application on Riboflavin 5-phosphate ester monosodium salt (solid form produced after phosphorylation of riboflavin 98%) produced by *Bacillus subtilis* KCCM-10445 for all animal species (EFSA-Q-2020-00838) and finalised the relevant sections of the draft opinion.
- 4.9. Items not discussed: Monteban® G100 (narasin) for chickens for fattening (EFSA-Q-2020-00557), Coxidin (monensin sodium; carrier wheat bran) for chickens for fattening and turkeys for fattening (EFSA-Q-2016-00643), Coxidin (monensin sodium; carrier wheat bran) for chickens reared for laying and turkeys reared for breeding (EFSA-Q-2020-00837), Coxidin (monensin sodium; carrier calcium carbonate) for turkeys reared for breeding (EFSA-Q-2021-00074) and Coxidin (monensin sodium; carrier calcium carbonate) for chickens for fattening, chickens reared for laying and turkeys for fattening (EFSA-Q-2020-00405).

5. Any Other Business

- 5.1. The WG was informed that the composition of the WG will be updated with new members and that the relevant procedure has been started.
- 6. Next meeting(s)
- 31 August 2022





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

MINUTES OF THE 58TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

HYBRID-conference, 27 and 28 April 2022

(Agreed on 10 May 2022 by written procedure)

Participants

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona and Maria Saarela

Hearing Experts1:

Carmen Peláez and Anneli Widenfalk²

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Montserrat Anguita, Rosella Brozzi, Yolanda García Cazorla, Elisa Pettenati and Jordi Ortuño, Anita Radovnikovic, Joana Revez, Barbara Rossi, Katja Schirmer and Maria Vittoria Vettori

FIP Unit: Jaime Aguilera²

NIF Unit: Reinhilde Schoonjans³ and Silvia Federici² IDATA Unit: Rubén Fuertes and Giovanni Iacono²

PREV Unit: Varvara Gouliarmou²

BIOHAW Unit: Beatriz Guerra Roman²

¹ 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 Attending for the discussion of item 5.4

³ Attending for the discussion of item 5.2





Others:

EMA: Susana Casado, Frédéric Klein and Jacqueline Poot⁴

1. Welcome and apologies for absence

The Chair welcomed the participants.

No apologies were received.

2. Adoption of agenda

The agenda was adopted with changes. Items agenda 4.7, 4.10 and 5.1 were added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence⁵ and the Decision of the Executive Director on Competing Interest Management⁶, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

4. Scientific topic(s) for discussion

- 4.1. The Working Group discussed the application on Probiotic Lactina® (preparation of *Enterococcus faecium* NBIMCC 8270, *Lactobacillus acidophilus* NBIMCC 8242, *Lactobacillus helveticus* NBIMCC 8269, *Lactobacillus delbrueckii* ssp. *lactis* NBIMCC 8250, *Lactobacillus delbrueckii* ssp. *bulgaricus* NBIMCC 8244 and *Streptococcus thermophilus* NBIMCC 8253) for cats and dogs (EFSA-Q-2020-00690) and finalised the relevant sections of the draft opinion.
- 4.2. The Working Group discussed the application on Ronozyme® Multigrain (endo-1,4-beta-xylanase (EC 3.2.1.8), endo-1,3(4)-beta-glucanase (EC 3.2.1.6) and endo-1,4-beta-glucanase (EC 3.2.1.4), produced by *Trichoderma reesei* (ATCC 74444)) for poultry for fattening other than turkeys for fattening, poultry for laying, turkeys for fattening, piglets (weaned) and pigs for fattening (EFSA-Q-2021-00498) and identified issues that require clarification.
- 4.3. The Working Group discussed the application on Vitamin B12/cyanocobalamin produced by *Ensifer adhaerens* CGMCC 19596 for all animal species (EFSA-Q-2021-00571) and identified issues that require clarification.

⁴ Attending for the discussion of item 5.3

⁵ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

⁶ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





- 4.4. The Working Group discussed the application on the follow-up opinion linked to EFSA-Q-2013-00752 Elancoban® (monensin sodium) for chickens for fattening, chickens reared for laying, turkeys (EFSA-Q-2021-00537) and identified issues that require clarification.
- 4.5. The Working Group discussed the application on Sacox® (salinomycin sodium) for rabbits for fattening (EFSA-Q-2020-00282) and identified issues that require clarification.
- 4.6. The Working Group discussed the application on RONOZYME® VP (CT) and RONOZYME® VP (L) (endo-1,3(4)-beta-glucanase (IUB No 3.2.1.6)) for weaned piglets and chickens for fattening (EFSA-Q-2019-00528) and finalised the relevant sections of the draft opinion.
- 4.7. The Working Group discussed the application on Axtra® PHY GOLD 30 L, Axtra® PHY GOLD 30 T, Axtra® PHY GOLD 65 G (6- phytase) for all pigs, all poultry species (EFSA-Q-2020-00767) and identified issues that require clarification.
- 4.8. The Working Group discussed the application on the follow-up opinion linked to EFSA-Q-2017-00724 Bafasal® (preparation of bacteriophages 3sent1, 8sent65, 8sent1748 & 5sent1) for all avian species (EFSA-Q-2022-00196) and identified issues that require clarification.
- 4.9. The Working Group discussed the application on *Pediococcus acidilactici* CNCM I-4622 for all animal species (EFSA-Q-2020-00839) and identified issues that require clarification.
- 4.10. The Working Group discussed 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) (EFSA-Q-2022-00234) and identified issues that require clarification.
- 4.11. The Working Group discussed the application on *Lactiplantibacillus plantarum* DSM 11520 (preparation of *Lactiplantibacillus plantarum* DSM 11520) (EFSA-Q-2021-00687) and finalised the relevant section of the draft opinion.
- 4.12. The Working Group discussed the application on ENZY CARBOPLUS®/ENZY CARBOPLUS® L xylanase (EC 3.2.1.8) and beta-glucanase (EC 3.2.1.6) for chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, minor avian species including laying birds, weaned piglets and minor weaned porcine species (EFSA-Q-2021-00314) and identified issues that require clarification.
- 4.13. The Working Group discussed the applications on AveMix® 02CS (endo-1,4-beta-xylanase, endo-1,3 (4)-beta-glucanase and polygalacturonase) for piglets (weaned and suckling) (EFSA-Q-2020-00840 and EFSA-Q-2020-00635) and AveMix XG 10 (endo-1,4-beta-xylanase, endo-1,3(4)-beta-glucanase) for piglets (suckling and weaned piglets) (EFSA-Q-2020-00807) and identified issues that require clarification.
- 4.14. The Working Group discussed the application on L-Arginine produced by *Corynebacterium glutamicum* CGMCC 20516 for all animal species (<u>EFSA-Q-2021-00494</u>) and finalised the relevant sections of the draft opinion.





4.15. The Working Group discussed the application on BioPlus® 2B (*Bacillus licheniformis* DSM 5749 and *Bacillus subtilis* DSM 5750) for calves for fattening, other growing ruminants, piglets (suckling and weaned), other minor growing and reproductive porcine species, turkeys for breeding and other minor poultry species (EFSA-Q-2019-00736) and identified issues that require clarification.

5. Any Other Business

- 5.1. EFSA was informed about the outcome of a European Commission's fact-finding mission (FFM) that was performed in accordance with Art 61a of Regulation (EC) No 178/20027, as amended by the Regulation (EU) 2019/13818. The FFM concerned the verification of adherence to the ISO 21527-2:2008 standard for the analysis of yeasts and moulds that was carried out in the context of application on Miya-Gold® (preparation of *Clostridium butyricum* FERM BP-2789) for chickens for fattening, chickens reared for laying and minor avian species (excluding laying birds) (EFSA-Q-2021-00384). The Working Group considered this information for the evaluation of the characterisation of the additive section and concluded that the FFM findings have no impact on the outcome of the risk assessment, and therefore no further follow-up is considered necessary.
- **5.2.** A presentation on the status of the "Evaluation of existing guidelines for their adequacy for the food and feed risk assessment of microorganisms obtained through synthetic biology" was provided and the participants discussed the future challenges and impacts on the guidance.
- 5.3. A presentation on the European Medicines Agency concept paper on the quality, safety and efficacy of bacteriophages as veterinary medicines status was given by representatives from the Novel Therapies and Technologies Working Party and the participants discussed common challenges on the risk assessment of bacteriophages.
- 5.4. The participants discussed technical aspects of whole genome sequence-based analysis of microorganisms intentionally added to food and feed.

6. Next meeting

14 June 2022.

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⁷ Regulation (EC) No 178/2002 of the European Parliament and of the Council of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety. OJ L 31, 1.2.2002, p. 1–24

⁸ Regulation (EU) 2019/1381 of the European Parliament and of the Council of 20 June 2019 on the transparency and sustainability of the EU risk assessment in the food chain and amending Regulations (EC) No 178/2002, (EC) No 1829/2003, (EC) No 1831/2003, (EC) No 1935/2004, (EC) No 1331/2008, (EC) No 1107/2009, (EU) 2015/2283 and Directive 2001/18/EC. OJ L 231, 6.9.2019, p. 1–28





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

MINUTES OF THE 57TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 15 March 2022

(Agreed on 15 March 2022)

Participants

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona and Maria Saarela

Hearing Experts1:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Rosella Brozzi, Yolanda García Cazorla, Jordi Ortuño Casanova, Elisa Pettenati, Joana Revez and Jordi Tarrés

Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participants.

No apologies were received.

¹ 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.





Others:

EMA: Susana Casado, Frédéric Klein and Jacqueline Poot⁴

1. Welcome and apologies for absence

The Chair welcomed the participants.

No apologies were received.

2. Adoption of agenda

The agenda was adopted with changes. Items agenda 4.7, 4.10 and 5.1 were added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence⁵ and the Decision of the Executive Director on Competing Interest Management⁶, EFSA screened the Annual Declarations of Interest filled out by the Working Group members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

4. Scientific topic(s) for discussion

- 4.1. The Working Group discussed the application on Probiotic Lactina® (preparation of *Enterococcus faecium* NBIMCC 8270, *Lactobacillus acidophilus* NBIMCC 8242, *Lactobacillus helveticus* NBIMCC 8269, *Lactobacillus delbrueckii* ssp. *lactis* NBIMCC 8250, *Lactobacillus delbrueckii* ssp. *bulgaricus* NBIMCC 8244 and *Streptococcus thermophilus* NBIMCC 8253) for cats and dogs (EFSA-Q-2020-00690) and finalised the relevant sections of the draft opinion.
- 4.2. The Working Group discussed the application on Ronozyme® Multigrain (endo-1,4-beta-xylanase (EC 3.2.1.8), endo-1,3(4)-beta-glucanase (EC 3.2.1.6) and endo-1,4-beta-glucanase (EC 3.2.1.4), produced by *Trichoderma reesei* (ATCC 74444)) for poultry for fattening other than turkeys for fattening, poultry for laying, turkeys for fattening, piglets (weaned) and pigs for fattening (EFSA-Q-2021-00498) and identified issues that require clarification.
- 4.3. The Working Group discussed the application on Vitamin B12/cyanocobalamin produced by *Ensifer adhaerens* CGMCC 19596 for all animal species (EFSA-Q-2021-00571) and identified issues that require clarification.

⁴ Attending for the discussion of item 5.3

⁵ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

⁶ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





- 4.4. The Working Group discussed the application on the follow-up opinion linked to EFSA-Q-2013-00752 Elancoban® (monensin sodium) for chickens for fattening, chickens reared for laying, turkeys (EFSA-Q-2021-00537) and identified issues that require clarification.
- 4.5. The Working Group discussed the application on Sacox® (salinomycin sodium) for rabbits for fattening (EFSA-Q-2020-00282) and identified issues that require clarification.
- 4.6. The Working Group discussed the application on RONOZYME® VP (CT) and RONOZYME® VP (L) (endo-1,3(4)-beta-glucanase (IUB No 3.2.1.6)) for weaned piglets and chickens for fattening (EFSA-Q-2019-00528) and finalised the relevant sections of the draft opinion.
- 4.7. The Working Group discussed the application on Axtra® PHY GOLD 30 L, Axtra® PHY GOLD 30 T, Axtra® PHY GOLD 65 G (6- phytase) for all pigs, all poultry species (EFSA-Q-2020-00767) and identified issues that require clarification.
- 4.8. The Working Group discussed the application on the follow-up opinion linked to EFSA-Q-2017-00724 Bafasal® (preparation of bacteriophages 3sent1, 8sent65, 8sent1748 & 5sent1) for all avian species (EFSA-Q-2022-00196) and identified issues that require clarification.
- 4.9. The Working Group discussed the application on *Pediococcus acidilactici* CNCM I-4622 for all animal species (EFSA-Q-2020-00839) and identified issues that require clarification.
- 4.10. The Working Group discussed 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) (EFSA-Q-2022-00234) and identified issues that require clarification.
- 4.11. The Working Group discussed the application on *Lactiplantibacillus plantarum* DSM 11520 (preparation of *Lactiplantibacillus plantarum* DSM 11520) (EFSA-Q-2021-00687) and finalised the relevant section of the draft opinion.
- 4.12. The Working Group discussed the application on ENZY CARBOPLUS®/ENZY CARBOPLUS® L xylanase (EC 3.2.1.8) and beta-glucanase (EC 3.2.1.6) for chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, minor avian species including laying birds, weaned piglets and minor weaned porcine species (EFSA-Q-2021-00314) and identified issues that require clarification.
- 4.13. The Working Group discussed the applications on AveMix® 02CS (endo-1,4-beta-xylanase, endo-1,3 (4)-beta-glucanase and polygalacturonase) for piglets (weaned and suckling) (EFSA-Q-2020-00840 and EFSA-Q-2020-00635) and AveMix XG 10 (endo-1,4-beta-xylanase, endo-1,3(4)-beta-glucanase) for piglets (suckling and weaned piglets) (EFSA-Q-2020-00807) and identified issues that require clarification.
- 4.14. The Working Group discussed the application on L-Arginine produced by *Corynebacterium glutamicum* CGMCC 20516 for all animal species (<u>EFSA-Q-2021-00494</u>) and finalised the relevant sections of the draft opinion.





4.15. The Working Group discussed the application on BioPlus® 2B (*Bacillus licheniformis* DSM 5749 and *Bacillus subtilis* DSM 5750) for calves for fattening, other growing ruminants, piglets (suckling and weaned), other minor growing and reproductive porcine species, turkeys for breeding and other minor poultry species (EFSA-Q-2019-00736) and identified issues that require clarification.

5. Any Other Business

- 5.1. EFSA was informed about the outcome of a European Commission's fact-finding mission (FFM) that was performed in accordance with Art 61a of Regulation (EC) No 178/20027, as amended by the Regulation (EU) 2019/13818. The FFM concerned the verification of adherence to the ISO 21527-2:2008 standard for the analysis of yeasts and moulds that was carried out in the context of application on Miya-Gold® (preparation of *Clostridium butyricum* FERM BP-2789) for chickens for fattening, chickens reared for laying and minor avian species (excluding laying birds) (EFSA-Q-2021-00384). The Working Group considered this information for the evaluation of the characterisation of the additive section and concluded that the FFM findings have no impact on the outcome of the risk assessment, and therefore no further follow-up is considered necessary.
- **5.2.** A presentation on the status of the "Evaluation of existing guidelines for their adequacy for the food and feed risk assessment of microorganisms obtained through synthetic biology" was provided and the participants discussed the future challenges and impacts on the guidance.
- 5.3. A presentation on the European Medicines Agency concept paper on the quality, safety and efficacy of bacteriophages as veterinary medicines status was given by representatives from the Novel Therapies and Technologies Working Party and the participants discussed common challenges on the risk assessment of bacteriophages.
- 5.4. The participants discussed technical aspects of whole genome sequence-based analysis of microorganisms intentionally added to food and feed.

6. Next meeting

14 June 2022.

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⁷ Regulation (EC) No 178/2002 of the European Parliament and of the Council of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety. OJ L 31, 1.2.2002, p. 1–24

⁸ Regulation (EU) 2019/1381 of the European Parliament and of the Council of 20 June 2019 on the transparency and sustainability of the EU risk assessment in the food chain and amending Regulations (EC) No 178/2002, (EC) No 1829/2003, (EC) No 1831/2003, (EC) No 1935/2004, (EC) No 1331/2008, (EC) No 1107/2009, (EU) 2015/2283 and Directive 2001/18/EC. OJ L 231, 6.9.2019, p. 1–28





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

MINUTES OF THE 56TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 16 February 2022

(Agreed on 24 February 2022)

Participants

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona and Maria Saarela

Hearing Experts1:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEEDCO Unit: Montserrat Anguita, Rosella Brozzi, Yolanda García Cazorla, Jordi Ortuño Casanova, Elisa Pettenati, Fabiola Pizzo, Joana Revez and Maria Vittoria Vettori

Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participants.

No apologies were received.

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¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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 the follow-up opinion linked to EFSA-Q-2017-00717 AXTRA® XAP 104 TPT (endo-1,4-beta-xylanase, alphaamylase and protease) for chickens for fattening, laying hens and all minor poultry species (EFSA-Q-2020-00620) and identified issues that require clarification.
- 4.2. The Working Group discussed the application on the follow-up opinion linked to EFSA-Q-2018-01040 Avizyme® 1505 (endo-1,4-beta-xylanase produced by *Trichoderma reesei* (ATCC PTA 5588), subtilisin produced by *Bacillus subtilis* (ATCC 2107) and alpha-amylase produced by *Bacillus amyloliquefaciens* (ATCC 3978)) for all poultry species (EFSA-Q-2021-00694) and identified issues that require clarification.
- **4.3.** The Working Group discussed the application on BLIS K12 (*Streptococcus salivarius* K12) for pets and other non-food-producing animals (<u>EFSA-Q-2021-00501</u>) and identified issues that require clarification.
- 4.4. The Working Group discussed the application on Axtra® PHY GOLD 30 L, Axtra® PHY GOLD 30 T, Axtra® PHY GOLD 65 G (6- phytase) for all pigs, all poultry species (EFSA-Q-2020-00767) and identified issues that require clarification.
- 4.5. The Working Group discussed the applications on Coxidin® (monensin sodium) for chickens for fattening, chickens reared for laying, turkeys for fattening and turkeys for breeding purposes (EFSA-Q-2016-00643; EFSA-Q-2020-00405; EFSA-Q-2020-00837; EFSA-Q-2021-00074) and finalised the relevant sections of the draft opinion.
- 4.6. The working group discussed the application on the follow-up opinion linked to EFSA-Q-2014-00219 and EFSA-Q-2015-00714 Aviax® 5% (semduramicin sodium) for chickens for fattening (EFSA-Q-2019-00813) and finalised the relevant sections of the draft opinion.
- 4.7. Items not discussed: RONOZYME® HiPhos (6-phytase) for poultry, pigs for fattening, piglets (weaned) and sows (EFSA-Q-2021-00342); follow-up opinion

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

 $^{^{3}\ \}underline{\text{http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf}$





linked to EFSA-Q-2018-00422 - Sorbiflore ADVANCE (Lactobacillus rhamnosus CNCM I-3698 and Lactobacillus farciminis CNCM I-3699) for weaned piglets (EFSA-Q-2021-00535); follow-up opinion linked to EFSA-Q-2017-00756 - Sorbiflore ADVANCE (Lactobacillus rhamnosus CNCM 1-3698 and Lactobacillus farciminis CNCM I-3699) for chickens for fattening (EFSA-Q-2021-00536); follow-up opinion linked to EFSA-Q-2017-00754 - Lactobacillus rhamnosus CNCM I-3698 and Lactobacillus farciminis CNCM I-3699 for all animal species (EFSA-Q-2021-00539); Correlink ABS 1704 Bacillus velezensis (Bacillus velezensis NRRL B-67770) for chickens for fattening, turkeys for fattening, chickens reared for laying, minor poultry species and turkeys reared for breeding (EFSA-Q-2021-00240); XygestTM HT (endo-1,4-beta-xylanase EC 3.2.1.8) for poultry (EFSA-Q-2021-00098); L-Lysine monohydrochloride and L-lysine sulphate for all animal species (EFSA-Q-2021-00439) and Natupulse® TS/Natupulse® TS L (endo-1,4-beta-D-mannanase, EC 3.2.178) for all growing poultry species (chickens for fattening, turkeys for fattening and minor growing poultry species and other poultry for fattening (e.g. ducks, geese, pheasants, quail, guinea fowl, ostrich) and ornamental birds (EFSA-Q-2021-00075).

5. Any Other Business

Not applicable.

6. Next meeting(s)

15 March 2022.





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

MINUTES OF THE 55TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 18 January 2022

(Agreed on 4 February 2022)

Participants

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona and Maria Saarela.

Hearing Experts1:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEED Unit: Rosella Brozzi, Yolanda García Cazorla, Jordi Ortuño Casanova, Elisa Pettenati, Fabiola Pizzo, Anita Radovnikovic, Joana Revez and Jordi Tarrés Call.

Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participants.

No apologies were received.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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 Free Yeast® F (Fumonisin B1 esterase (3.1.1.87) produced by *Komagataella phaffii* NCAIM (P) Y001485) for piglets (suckling and weaned), pigs for fattening, sows for reproduction and sows in order to have benefit in piglets (EFSA-Q-2021-00470) and identified issues that require clarification.
- 4.2. The Working Group discussed the application on OptiPhos (6-phytase) for chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, other avian species other than turkeys for fattening and turkeys reared for breeding, pigs for fattening, sows, piglets (weaned), breeding hens, ornamental birds, turkeys for breeding purposes, minor pig species for fattening or breeding and piglets (suckling) (EFSA-Q-2021-00152) and finalised the relevant sections of the draft opinion.
- **4.3**. The Working Group discussed the application on L-lysine sulfate produced by *E. coli* CGMCC 7.398 for all animal species (EFSA-Q-2021-00086) and finalised the relevant sections of the draft opinion.
- 4.4. The Working Group discussed the application on lactic acid for all animal species (EFSA-Q-2020-00281) and finalised the relevant sections of the draft opinion.
- 4.5. The Working Group discussed the application on L-methionine (min. 98.5%) and L-methionine (min. 90%) produced by fermentation with *Corynebacterium glutamicum* KCCM 80245 and *Escherichia coli* KCCM 80246 for all animal species (EFSA-Q-2021-00154) and finalised the relevant sections of the draft opinion.
- 4.6. The Working Group discussed the application on L-lysine (HCl powder, HCl liquid, and lysine base) produced by a GM *E. coli* (EFSA-Q-2021-00462) and identified issues that require clarification.
- **4.7**. The Working Group discussed the application on 25-hydroxycholecalciferol for ruminants (EFSA-Q-2021-00341) and identified issues that require clarification.

² 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/competing_interest_management_17.pdf





- 4.8. The Working Group discussed the application on *Lactococcus lactis* NCIMB30117 for all animal species (<u>EFSA-Q-2021-00237</u>) and finalised the relevant sections of the draft opinion.
- 4.9. The Working Group discussed the application on *Lactococcus lactis* DSM 11037 for all animal species (EFSA-Q-2020-00846) and finalised the relevant sections of the draft opinion.
- 4.10. The Working Group discussed the application on 25-hydroxycholecalciferol for all pigs, all poultry for fattening and ornamental birds, and other poultry species (EFSA-Q-2021-00641) and identified issues that require clarification.
- 4.11. Items not discussed: follow-up opinion linked to EFSA-Q-2018-00422 Sorbiflore ADVANCE (*Lactobacillus rhamnosus* CNCM I-3698 and *Lactobacillus farciminis* CNCM I-3699) for weaned piglets (EFSA-Q-2021-00535), follow-up opinion linked to EFSA-Q-2017-00756 Sorbiflore ADVANCE (*Lactobacillus rhamnosus* CNCM I-3698 and *Lactobacillus farciminis* CNCM I-3699) for chickens for fattening (EFSA-Q-2021-00536) and follow-up opinion linked to EFSA-Q-2017-00754 *Lactobacillus rhamnosus* CNCM I-3698 and *Lactobacillus farciminis* CNCM I-3699 for all animal species (EFSA-Q-2021-00539).

5. Any Other Business

Not applicable.

6. Next meeting(s)

16 February 2022.





FFFD UNIT

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

MINUTES OF THE 54th MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 7 December 2021

(Agreed on 7 December 2021)

Participants

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Henrik Christensen, Miguel Prieto Maradona and Maria Saarela.

Hearing Experts1:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEED Unit: Montserrat Anguita, Rosella Brozzi, Elisa Pettenati, Joana Revez and Maria Vittoria Vettori.

Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participants.

¹ 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.





Apologies were received from Yolanda Sanz.

2. Adoption of agenda

The agenda was adopted with changes. Agenda points 4.4 and 4.5 were added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management³, EFSA screened the Annual Declarations of Interest filled out by the 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 WG discussed the application on Astaxanthin-rich Phaffia rhodozyma (ATCC SD 5340) (AQUASTA) for salmon and trout (EFSA-Q-2015-00754) and finalised the relevant sections of the draft opinion.
- 4.2. The WG discussed the application on the follow-up opinion linked to EFSA-Q-2017-00049 on Lactobacillus reuteri DSM 32203 for dogs (EFSA-Q-2021-00534) and identified issues that require clarification.
- 4.3. The WG discussed the application on Axtra® XB 201 TPT and Axtra® XB 201 L (endo-1,4-beta-xylanase EC 3.2.1.8 and endo-1,3(4)-beta-glucanase (E.C 3.2.1.6)) for all avian species, piglets (suckling and weaned piglets), pigs for fattening, lactating sows (including minor porcine species) and minor growing porcine species (EFSA-Q-2020-00489) and identified issues that require clarification.
- 4.4. The WG discussed the application on L-arginine produced by Corynebacterium glutamicum CGMCC 20516 for all animal species (EFSA-Q-2021-00494) and identified issues that require clarification.
- The WG discussed the application on ZENzyme® (Zearalenone hydrolase) for all 4.5. terrestrial animal species (EFSA-Q-2020-00008) and finalised the relevant sections of the draft opinion.
- 4.6. Items not discussed: Red carotenoid rich Paracoccus carotinifaciens (Panaferd-AX) for salmon and trout (EFSA-Q-2017-00694) and Lactococcus lactis DSM 11037 for all animal species (EFSA-Q-2020-00846).

5. Any Other Business

Not applicable

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





6. Next meeting(s)

18 January 2022





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

MINUTES OF THE 53rd MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 17 November 2021

(Agreed on 17 November 2021)

Participants

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona and Maria Saarela.

Hearing Experts1:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEED Unit: Rosella Brozzi, Elisa Pettenati and Joana Revez

Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participants.

No apologies were received.

¹ 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: https://www.efsa.europa.eu/sites/default/files/corporate_publications/files/expertselection.pdf.





2. Adoption of agenda

The agenda was adopted with changes. Agenda point 4.7 was added.

3. Declarations of Interest of Working Groups members

In accordance with EFSAs Policy on Independence² and the Decision of the Executive Director on Competing Interest Management³, EFSA screened the Annual Declarations of Interest filled out by the 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 WG discussed the application on L-Valine produced by fermentation with *E. coli* CCTCC M2020321 for all animal species (EFSA-Q-2021-00252) and finalised the relevant sections of the draft opinion.
- 4.2.The WG discussed the application on PB6 (Bacillus velezensis (formerly Bacillus subtilis) ATCC PTA-6737) for turkeys for fattening, turkeys reared for breeding, piglets (weaned), weaned minor porcine species, laying hens, minor poultry species for laying and sows in order to have benefit in piglets (EFSA-Q-2020-00097) and finalised the relevant sections of the draft opinion.
- 4.3. The WG discussed the application on the follow-up opinion linked to EFSA-Q-2019-00155 Nutrase P (6-phytase) for chickens for fattening, other poultry for fattening, reared for laying and ornamental birds (EFSA-Q-2021-00538) and identified issues that require clarification.
- 4.4.The WG discussed the application on Cylactin®, Cernivet® (Enterococcus faecium NCIMB 10415) for chickens for fattening, chickens reared for laying, minor poultry species for fattening, minor poultry species reared for laying, chicken and minor poultry species reared for breeding, turkeys for fattening, turkeys reared for breeding, ornamental birds, calves for fattening, calves for rearing, kids for fattening, kids for rearing, lambs for fattening, lambs for rearing, minor or other ruminant species for rearing and fattening, sows, piglets (suckling), piglets (weaned), pigs for fattening, pigs for rearing, pigs for reproduction, minor pig species (suckling), minor pig species (weaned), minor pig species for rearing and fattening and minor pig species for reproduction (EFSA-O-2020-00391) and finalised the relevant sections of the draft opinion.
- 4.5. The WG discussed the application on canthaxanthin for chickens for fattening, minor poultry species for fattening, laying poultry and poultry reared for laying, ornamental fish and ornamental birds except ornamental breeder hens, ornamental breeder hens (EFSA-Q-2021-00149) and finalised the relevant sections of the draft opinion.
- **4.6.**The WG discussed the application on CAROPHYLL Red 10% (Canthaxanthin) for breeder hens (EFSA-Q-2021-00150) and finalised the relevant sections of the draft opinion.

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





4.7.The WG discussed the application on *Lactiplantibacillus plantarum* E-98 NCIMB 30236 for all animal species and categories (<u>EFSA-Q-2021-00076</u>) and finalised the relevant sections of the draft opinion.

5. Any Other Business

Not applicable

6. Next meeting(s)

7 December 2021





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

MINUTES OF THE 52nd MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 27-28 October 2021

(Agreed on 28 October 2021)

Participants

Working Group Members: 1

Baltasar Mayo (Chair of the Working Group)², Henrik Christensen, Pier Sandro Cocconcelli³, Debora Glandorf, Miguel Prieto Maradona, Maria Saarela.

Hearing Experts: 4,5

Phil Ashton, Christina Cuomo and Ed Louis

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEED Unit: Montserrat Anguita6, Elisa Pettenati, Jordi Tarres-Call3, Joana Revez, Anita

Radovnikovic3, and Maria Vittoria Vettori1

FIP Unit: Jaime Aguilera⁵
GMO Unit: Silvia Federici⁵
DATA Unit: Giovanni Iacono⁵

Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participants.

https://www.efsa.europa.eu/sites/default/files/corporate_publications/files/expertselection.pdf .

¹ Attending both on 27 and 28 October in the morning, except if indicated otherwise

² Attending and chairing the entire meeting (comprising 28 October in the afternoon)

³ Attending on 28 October in the morning

⁴ 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:

⁵ Attending on 28 October in the afternoon for the discussion on item 5.2 of AOB

⁶ Attending on 27 October





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 Independence⁷ and the Decision of the Executive Director on Competing Interest Management⁸, 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 Amaferm (fermentation product of *Aspergillus oryzae* NRRL 458) for dairy cows (EFSA-Q-2020-00574) and finalised the relevant sections of the draft opinion.
- 4.2. The Working Group continued the discussion on the application on VTR-xylanase liquid, VTR-xylanase powder (endo-beta-1,4-xylanase) for all avian species including ornamental, exotic and game bird (EFSA-Q-2021-00442) and identified issues that require clarification.
- 4.3. The Working Group discussed the application on ZENzyme® (Zearalenone hydrolase) for all terrestrial animal species (EFSA-Q-2020-00008) and identified issues that require clarification.
- 4.4. The Working Group discussed the application on Xylamax (endo-1,4-beta-xylanase (EC 3.2.1.8) produced by *Komagaetella phaffii* xyl-2 (DSM 33574)) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding and all minor avian species (EFSA-Q-2021-00254) and finalised the relevant sections of the draft opinion.
- 4.5. The Working Group discussed the application on EnzaPro (preparation of endo-1,4-beta-xylanase (EC 3.2.1.8) produced by *Komagaetella phaffii* xyl-2 (DSM 33574), *Bacillus amyloliquefaciens* Ba-BPD1 (DSM 21836) and *Bacillus licheniformis* PWD-1 (ATCC 53757)) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding and minor avian species (EFSA-Q-2021-00312) and identified issues that require clarification.
- 4.6. The Working Group discussed the application on Huvezym neXo (endo-1,4-beta-xylanase, endo-1,4-beta-glucanase and xyloglucan-specific-endo-beta-1,4-glucanase) for poultry and pigs (EFSA-Q-2021-00308) and identified issues that require clarification.
- 4.7. The Working Group discussed on the application on Hemicell® HT, Hemicell® HT-L (endo-1,4-beta-mannanase, EC 3.2.1.78) for chickens for fattening, chickens

⁷ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

⁸ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





reared for laying, turkeys for fattening, turkeys reared for breeding, pigs for fattening, weaned piglets, minor porcine species and minor avian species for fattening or reared for laying or breeding (EFSA-Q-2021-00346) and identified issues that require clarification.

- 4.8. The Working Group discussed on the application on Canthaxanthin for chickens for fattening, minor poultry species for fattening, laying poultry and poultry reared for laying, ornamental fish and ornamental birds except ornamental breeder hens, ornamental breeder hens (EFSA-Q-2021-00146) and decided that further discussion is needed.
- 4.9. The Working Group discussed on the application on CAROPHYLL Red 10% (Canthaxanthin) for breeder hens (EFSA-Q-2021-00150) and decided that further discussion is needed.
- 4.10. The Working Group discussed on the application on Coxidin® (monensin sodium) for chickens for fattening, chickens reared for laying, turkeys for fattening and turkeys for breeding purposes (EFSA-Q-2016-00643; EFSA-Q-2020-00405; EFSA-Q-2020-00837; EFSA-Q-2021-00074) and identified issues that require clarification.
- 4.11. The Working Group discussed on the application on Plexomin® Se 3000/Plexomin® Se 3000 micro (Selenised yeast *Saccharomyces cerevisiae* Y03-0 inactivated) for all animal species (EFSA-Q-2021-00309) and identified issues that require clarification.
- 4.12. Items not discussed: L-Valine produced by fermentation with *E. coli* CCTCC M2020321 for all animal species (EFSA-Q-2021-00252) and Probiotic Lactina (preparation of *Enterococcus faecium* NBIMCC 8270, *Lactobacillus acidophilus* NBIMCC 8242, *Lactobacillus helveticus* NBIMCC 8269, *Lactobacillus delbrueckii* ssp. *lactis* NBIMCC 8250, *Lactobacillus delbrueckii* ssp. *bulgaricus* NBIMCC 8244 and *Streptococcus thermophilus* NBIMCC 8253) for cats and dogs (EFSA-Q-2020-00690).

5. Any Other Business

- 5.1. A general discussion took place on the testing methods for the assessment of the efficacy of microorganisms used as hygiene condition enhancers.
- 5.2. The participants discussed technical aspects of whole genome sequence-based analysis of (micro)organisms intentionally added to food and feed.

6. Next meeting(s)

17 November





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

MINUTES OF THE 51ST MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 6 October 2021

(Agreed on 6 October 2021)

Participants

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Henrik Christensen, Pier Sandro Cocconcelli¹, Debora Glandorf, Lieve Herman, Miguel Prieto Maradona², Maria Saarela³ and Yolanda Sanz⁴.

Hearing Experts5:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEED Unit: Montserrat Anguita, Rosella Brozzi, Elisa Pettenati, Jordi Ortuño and Joana Revez.

Others:

Not Applicable

1. Welcome and apologies for absence

¹ Attending only in the afternoon

² Attending only in the afternoon

³ Attending only in the morning

⁴ Attending only in the morning

⁵ 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 with changes. Item agenda 4.12 was added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence⁶ and the Decision of the Executive Director on Competing Interest Management^{7,} 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-lysine monohydrochoride and L-lysine sulfate produced by Corynebacterium glutamicum CGMCC 14498 for all animal species (EFSA-Q-2020-00636) and finalised the relevant sections of the draft opinion.
- The Working Group discussed the application on VTR-phytase liquid, VTR-4.2. phytase powder (6-phytase) for all avian species including ornamental, exotic and game birds (EFSA-Q-2021-00417) and identified issues that require clarification.
- 4.3. 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 finalised the relevant sections of the draft opinion.
- 4.4. The Working Group discussed the application on Hostazym X (endo-1,4-betaxylanase) for chickens for fattening, chickens reared for laying, minor poultry species reared for laying, laying hens, turkeys for fattening, minor poultry species for fattening, minor poultry species for laying, pigs for fattening, piglets (weaned), carp, breeding hens, turkeys for breeding, turkeys reared for breeding, minor poultry species reared for breeding, minor poultry species for breeding, ornamental birds, suckling piglets and minor pig species for fattening (EFSA-Q-2021-00153) and identified issues that require clarification.
- 4.5. The Working Group discussed the application on Hostazym C (endo-1,4-betaglucanase (E.C.3.2.1.4)) for chickens for fattening, minor poultry species for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding, minor poultry species reared for breeding, minor poultry species reared for laying, ornamental birds, piglets (weaned) (EFSA-Q-2021-00157) and identified issues that require clarification.

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/competing_interest_management_17.pdf





- 4.6. The Working Group discussed the application on RONOZYME® VP (CT) and RONOZYME® VP (L) (endo-1,3(4)-beta-glucanase (IUB No 3.2.1.6)) for weaned piglets and chickens for fattening (EFSA-Q-2019-00528) and identified issues that require clarification.
- 4.7. The Working Group continued the discussion on the application on IMP (disodium 5-inosinate) produced by fermentation with *Corynebacterium stationis* KCCM 8023 (EFSA-Q-2021-00084) and finalised the relevant sections of the draft opinion.
- 4.8. The Working Group discussed the application on Xygest[™] HT (endo-1,4-beta-xylanase EC 3.2.1.8) for poultry (EFSA-Q-2021-00098) and identified issues that require clarification.
- 4.9. The Working Group continued the discussion on the application on Cylactin®, Cernivet® (*Enterococcus faecium* NCIMB 10415) for chickens for fattening, chickens reared for laying, minor poultry species for fattening, minor poultry species reared for laying, chicken and minor poultry species reared for breeding, turkeys for fattening, turkeys reared for breeding, ornamental birds, calves for fattening, calves for rearing, kids for fattening, kids for rearing, lambs for fattening, lambs for rearing, minor or other ruminant species for rearing and fattening, sows, piglets (suckling), piglets (weaned), pigs for fattening, pigs for rearing, pigs for reproduction, minor pig species (suckling), minor pig species (weaned), minor pig species for rearing and fattening and minor pig species for reproduction (EFSA-Q-2020-00391) and decided that further discussion is needed.
- 4.10. The Working Group discussed the application on *Lactobacillus acidophilus* D2/CSL (CECT 4529) for all poultry species and categories and all ornamental birds (EFSA-Q-2020-00847) and finalised the relevant sections of the draft opinion.
- 4.11. 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.
- 4.12. The Working Group discussed the application on BIO-THREE® (*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 identified issues that require clarification.

5. Any Other Business

- 5.1. Feedback from the Plenary meeting: The Unit informed the WG about the opinions adopted in the last meeting.
- 6. Next meeting(s)

27 and 28 October





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

MINUTES OF THE 50TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 8 September 2021

(Agreed on 8 September 2021)

Participants

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Henrik Christensen, Debora Glandorf, Pier Sandro Cocconcelli, Lieve Herman, Maria Saarela and Yolanda Sanz.

Hearing Experts¹:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEED Unit: Montserrat Anguita, Rosella Brozzi, Martina Reitano, Joana Revez, Jordi Tarrés and Maria Vittoria Vettori.

Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participants.

¹ 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. Agenda item 4.6 was added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management³, EFSA screened the Annual Declarations of Interest filled out by the 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 Monteban® G100 (Monteban® G100 containing granular narasin, equivalent to 100g narasin activity) for chickens for fattening (EFSA-Q-2020-00557) and identified issues that require clarification.
- 4.2. The Working Group continued the discussion on the application on Maxiban G160 (narasin and nicarbazin) for chickens for fattening (EFSA-Q-2019-00739) and identified issues that require clarification.
- 4.3. The Working Group discussed the application on L-valine produced by fermentation with *E. coli* CCTCC M2020321 for all animal species (EFSA-Q-2021-00252) and decided that further discussion is needed.
- 4.4. The Working Group discussed the application on L-methionine (min. 98.5%) and L-methionine (min. 90%) produced by fermentation with *Corynebacterium glutamicum* KCCM 80245 and *Escherichia coli* KCCM 80246 for all animal species (EFSA-Q-2021-00154) and identified issues that require clarification.
- 4.5. The Working Group continued the discussion on the application on L-glutamic acid and its sodium salt (monosodium glutamate monohydrate) produced using strain NITE BP-01681 for all animal species (EFSA-Q-2020-00502) and finalised the relevant sections of the draft opinion.
- 4.6. The Working Group continued the discussion on the application on MSG (monosodium L-glutamate) produced by fermentation with *Corynebacterium glutamicum* KCCM 80187 for all animal species (EFSA-Q-2020-00155) and finalised the relevant sections of the draft opinion.
- 4.7. The Working Group discussed the application on the preparation of 3-phytase produced by *Komagataella phaffii* (CECT 13171) presented in solid (FSF10000) and liquid (FLF1000) forms for chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, minor poultry species, pigs

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

 $^{^{3}\ \}underline{\text{http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf}$





for fattening and minor porcine species for fattening (EFSA-Q-2020-00161) and identified issues that require clarification.

- 4.8. The Working Group continued the discussion on 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.
- 4.9. Items not discussed: IMP (disodium 5-inosinate) produced by fermentation with *Corynebacterium stationis* KCCM 8023 (EFSA-Q-2021-00084), Cylactin®, Cernivet® (Enterococcus faecium NCIMB 10415) for poultry ruminants and pigs (EFSA-Q-2020-00391), Lactobacillus acidophilus D2/CSL (CECT 4529) for all poultry species and categories and all ornamental birds (EFSA-Q-2020-00847), RONOZYME® VP (CT) and RONOZYME® VP (L) (endo-1,3(4)-beta-glucanase (IUB No 3.2.1.6)) for weaned piglets and chickens for fattening (EFSA-Q-2019-00528) and Xygest™ HT (endo-1,4-beta-xylanase EC 3.2.1.8) for poultry (EFSA-Q-2021-00098).

5. Any Other Business

Not applicable

6. Next meeting(s)

6 October 2021





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

MINUTES OF THE 49TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 25 August 2021

(Agreed on 30 August 2021 by written procedure)

Participants

Working Group Members:

Pier Sandro Cocconcelli, Lieve Herman and Baltasar Mayo (Chair of the Working Group)

Hearing Experts1:

Hanspeter Naegeli, Carmen Peláez and Anneli Widenfalk

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEED Unit: Rosella Brozzi, Joana Revez and Elisa Pettenati

FIP Unit: Jaime Aguilera GMO Unit: Silvia Federici

PREV Unit: Varvara Gouliarmou and Christopher Lythgo

DATA Unit: Giovanni Iacono

BIOCONTAM Unit: Beatriz Guerra

Others:

Not Applicable

¹ 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.

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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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 technical aspects of whole genome sequence analysis of microorganisms intentionally added to food and feed and decided that further discussion is needed.

5. Any Other Business

Not Applicable.

6. Next meeting(s)

8 September 2021

2 1-4

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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 48TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 30 June 2021

(Agreed on 7 July 2021 by written procedure)

Participants

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Henrik Christensen, Debora Glandorf¹, Pier Sandro Cocconcelli, Lieve Herman, Miguel Prieto Maradona, Maria Saarela¹ and Yolanda Sanz.

Hearing Experts2:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEED Unit: Montserrat Anguita, Rosella Brozzi, Jordi Ortuño, Elisa Pettenati and Joana Revez.

Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participants.

¹ Attending only in the morning

² 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. Agenda points 4.10, 4.11 and 4.12 were added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence³ and the Decision of the Executive Director on Competing Interest Management⁴, 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 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 finalised the relevant sections of the draft opinion.
- 4.2. The Working Group continued the discussion on the application on BioPlus® 2B (*Bacillus licheniformis* DSM 5749 and *Bacillus subtilis* DSM 5750) for calves for fattening, other growing ruminants, piglets (suckling and weaned), other minor growing and reproductive porcine species, turkeys for breeding and other minor poultry species (EFSA-Q-2019-00736) and identified issues that require clarification.
- 4.3. The Working Group discussed the application on OptiPhos (6-phytase) for chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, other avian species other than turkeys for fattening and turkeys reared for breeding, pigs for fattening, sows, piglets (weaned), breeding hens, ornamental birds, turkeys for breeding purposes, minor pig species for fattening or breeding and piglets (suckling) (EFSA-Q-2021-00152) and identified issues that require clarification.
- 4.4. The Working Group continued the discussion on the application on ZENzyme® (zearalenone hydrolase) for all terrestrial animal species (EFSA-Q-2020-00008) and identified issues that require clarification.
- 4.5. The Working Group continued the discussion on the application Sacox® (salinomycin sodium) for rabbits for fattening (EFSA-Q-2020-00282) and identified issues that require clarification.

³ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

⁴ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





- 4.6. The Working Group discussed the application on canthaxanthin for chickens for fattening, minor poultry species for fattening, laying poultry and poultry reared for laying, ornamental fish and ornamental birds except ornamental breeder hens, ornamental breeder hens (EFSA-Q-2021-00149) and identified issues that require clarification.
- 4.7. The Working Group discussed the application on CAROPHYLL Red 10% (canthaxanthin) for breeder hens (EFSA-Q-2021-00150) and identified issues that require clarification.
- 4.8. The Working Group discussed the application on Beltherm for laying hens (EFSA-Q-2020-00004) and finalised the relevant sections of the draft opinion.
- 4.9. The Working Group discussed the application on IMP (disodium 5-inosinate) produced by fermentation with *Corynebacterium stationis* KCCM 8023 (<u>EFSA-Q-2021-00084</u>) and identified issues that require.
- 4.10. The Working Group discussed the application on Xylamax (endo-1,4-beta-xylanase (EC 3.2.1.8) produced by *Komagaetella phaffii* xyl-2 (DSM 33574)) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding and all minor avian species (EFSA-Q-2021-00254) and identified issues that require clarification and decided that further discussion is needed.
- 4.11. The Working Group discussed the application on MSG (monosodium L-glutamate) produced by fermentation with *Corynebacterium glutamicum* KCCM 80187 for all animal species (EFSA-Q-2020-00155) and identified issues that require clarification and decided that further discussion is needed.
- 4.12. The Working Group discussed the application on ROVABIO® 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 finalised the relevant sections of the draft opinion.
- 4.13. Items not discussed: *Pediococcus acidilactici* CNCM I-4622 for all animal species (EFSA-Q-2020-00839) and preparation of 3-phytase produced by *Komagataella phaffii* (CECT 13171) presented in solid (FSF10000) and liquid (FLF1000) forms for chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, minor poultry species, pigs for fattening and minor porcine species for fattening (EFSA-Q-2020-00161).
- 5. Any Other Business

None

6. Next meeting(s)

25 August 2021





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

MINUTES OF THE 47TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 09 June 2021

(Agreed on 22 June 2021)

Participants

Working Group Members:

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

Hearing Experts1:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEED Unit: Montserrat Anguita, Rosella Brozzi, Orsolya Holczknecht, Elisa Pettenati, Joana Revez, Jordi Tarrés and Maria Vittoria Vettori.

Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participants. Apologies were received from Henrik Christensen.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management^{3,} 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 lactic acid for all animal species (EFSA-Q-2020-00281) and identified issues that require clarification.
- 4.2. 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 needed.
- **4.3**. The Working Group discussed the application on L-Histidine monohydrochloride monohydrate produced by fermentation with *E. coli* NITE SD 00329 for all animal species (EFSA-Q-2020-00201) and identified issues that require clarification.
- 4.4. The Working Group discussed the application on Natupulse® TS/Natupulse® TS L (endo-1,4-beta-D-mannanase) for chickens for fattening, turkeys for fattening, minor growing poultry species, other poultry for fattening (e.g. ducks, geese, pheasants, quail, guinea fowl, ostrich), ornamental birds (EFSA-Q-2021-00075) and identified issues that require clarification.
- 4.5. The Working Group discussed the applications on Coxidin (monensin sodium) for chickens for fattening and turkeys (EFSA-Q-2016-00643), Coxidin (monensin sodium (carrier perlite, calcium carbonate)) for chickens for fattening, chickens reared for laying, turkeys for fattening and turkeys reared for breeding (EFSA-Q-2020-00405), Coxidin (monensin sodium (carrier perlite, calcium carbonate)) for chickens for fattening, chickens reared for laying, turkeys for fattening and turkeys reared for breeding (EFSA-Q-2020-00837) and Coxidin (monensin sodium (carrier perlite, calcium carbonate)) for chickens for fattening, chickens reared for laying, turkeys for fattening and turkeys reared for breeding (EFSA-Q-2021-00074) and identified issues that require clarification.
- 4.6. The Working Group continued the discussion on the application on Monteban® G100 (Monteban® G100 containing granular narasin, equivalent to 100g narasin

² 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/competing_interest_management_17.pdf





activity) for chickens for fattening (EFSA-Q-2020-00557) and finalised the relevant sections of the draft opinion.

4.7. Items not discussed: MSG (monosodium L-glutamate) produced by fermentation with *Corynebacterium glutamicum* KCCM 80187 for all animal species (EFSA-Q-2020-00155) and OptiPhos (6-phytase) for chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, other avian species other than turkeys for fattening and turkeys reared for breeding, pigs for fattening, sows, piglets (weaned), breeding hens, ornamental birds, turkeys for breeding purposes, minor pig species for fattening or breeding and piglets (suckling) (EFSA-Q-2021-00152).

5. Any Other Business

Not applicable

6. Next meeting(s)

30 June 2021





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

MINUTES OF THE 46th MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 19 and 22 April 2021

(Agreed on 22 April 2021)

Participants

Working Group Members:

Baltasar Mayo (Chair of the Working Group), Debora Glandorf, Henrik Christensen, Pier Sandro Cocconcelli¹, Lieve Herman, Miguel Prieto Maradona, Maria Saarela and Yolanda Sanz.

Hearing Experts2:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEED Unit: Montserrat Anguita, Rosella Brozzi, Jordi Ortuño, Elisa Pettenati and Joana Revez.

Others:

Not Applicable

1. Welcome and apologies for absence

¹ Only on 22 April

² 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 Chair welcomed the participants. Apologies were received from Pier Sandro Cocconcelli on 19 April.

2. Adoption of agenda

The agenda was adopted with changes. The agenda points 4.8-4.12 were added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence³ and the Decision of the Executive Director on Competing Interest Management⁴, 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-lysine sulphate produced by *C. glutamicum* KCCM 80227 (DK257RN) for all animal species (EFSA-Q-2020-00708) and finalised the relevant sections of the draft opinion.
- **4.2.**The Working Group discussed the application on L-lysine sulphate produced by *E. coli* CGMCC 7.398 for all animal species (<u>EFSA-Q-2021-00086</u>) and identified issues that require clarification.
- 4.3. The Working Group discussed the application on Axtra® PHY GOLD 30 L, Axtra® PHY GOLD 30 T, Axtra® PHY GOLD 65 G (6- phytase) for all pigs, all poultry species (EFSA-Q-2020-00767) and identified issues that require clarification.
- **4.4.**The Working Group discussed the application on vitamin B2 produced by *Bacillus subtilis* CGMCC 13326 for all animal species (EFSA-Q-2020-00637) and identified issues that require clarification.
- 4.5.The Working Group discussed the application on alpha-amylase from Bacillus amyloliquefaciens DSM 9553, Bacillus amyloliquefaciens NCIMB 30251, Aspergillus oryzae CBS 585.94 and Aspergillus oryzae ATTC SD-5374, endo-1,4-beta-glucanase from Trichoderma reesei ATCC PTA-10001, Trichoderma reesei ATCC SD-6331 and Aspergillus niger CBS 120604, endo-1,4-beta-xylanase from Trichoderma koningii MUCL 39203 and Trichoderma longibrachiatum CBS 614.94 and endo-1,3(4)-beta-glucanase from Aspergillus tubingensis MUCL 39199 for all animal species (EFSA-Q-2020-00836) and identified issues that require clarification.
- **4.6.**The Working Group continued the discussion on the application on lactic acid for all animal species (EFSA-Q-2020-00281) and decided that further discussion is needed.
- 4.7. 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

³ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

⁴ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





- and *Lactococcus lactis* CNCM I-4609 (MixBalac) for all animal species (EFSA-Q-2020-00202) and decided that further discussion is needed.
- **4.8.**The Working Group discussed the application on vitamin B2 (riboflavin) for all animal species (EFSA-Q-2020-00160) and finalised the relevant sections of the draft opinion.
- **4.9.**The Working Group discussed the application on *Pediococcus pentosaceus* IMI 507024 for all animal species (EFSA-Q-2020-00693) and finalised the relevant sections of the draft opinion.
- **4.10.** The Working Group discussed the application on *Lactobacillus plantarum* IMI 507028 for all animal species (EFSA-Q-2020-00697) and finalised the relevant sections of the draft opinion.
- 4.11. The Working Group discussed the application on *Lactobacillus acidophilus* D2/CSL (CECT 4529) for all poultry species and categories and all ornamental birds (EFSA-Q-2020-00847) and identified issues that require clarification.
- 4.12. The Working Group continued the discussion on the application on Sacox® (salinomycin sodium) for rabbits for fattening (EFSA-Q-2020-00282) and identified issues that require clarification.

5. Any Other Business

Not applicable.

6. Next meeting(s)

9 June 2021.





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

MINUTES OF THE 45th MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 11 March 2021

(Agreed on 11 March 2021)

Participants

n Working Group Members:

Henrik Christensen, Pier Sandro Cocconcelli, Debora Glandorf, Lieve Herman¹, Baltasar Mayo, Miguel Prieto Maradona, Maria Saarela and Yolanda Sanz.

n Hearing Experts2:

Not Applicable

n European Commission and/or Member States representatives:

Not Applicable

n EFSA:

FEED Unit: Montserrat Anguita, Rosella Brozzi, Davide Guerra, Elisa Pettenati, Joana Revez and Maria Vittoria Vettori.

n Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participants. No apologies were received.

¹ Only for agenda point 4.6

² 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 no changes.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence³ and the Decision of the Executive Director on Competing Interest Management⁴, 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 BioPlus® 2B (*Bacillus licheniformis* DSM 5749 and *Bacillus subtilis* DSM 5750) for calves for fattening, other growing ruminants, piglets (suckling and weaned), other minor growing and reproductive porcine species, turkeys for breeding and other minor poultry species (EFSA-Q-2019-00736) and identified issues that require clarification.
- 4.2. The Working Group discussed the application on Ecobiol® (*Bacillus amyloliquefaciens* CECT 5940) as a feed additive for turkeys for fattening, turkeys reared for breeding, minor poultry species for fattening and reared for laying and ornamental birds (except for reproduction) (EFSA-Q-2020-00452) and finalised the relevant sections of the draft opinion.
- 4.3. The Working Group continued the discussion on the application on Amaferm (fermentation product of *Aspergillus oryzae* NRRL 458) for dairy cows (EFSA-Q-2020-00574) and identified issues that require clarification.
- 4.4. The Working Group continued the discussion on the application on Sacox® (Salinomycin sodium) for rabbits for fattening (EFSA-Q-2020-00282) and decided that further discussion is needed.
- 4.5. The Working Group discussed the application on L-lysine monohydrochoride and L-lysine sulfate produced by *Corynebacterium glutamicum* CGMCC 14498 as feed additive for all animal species (EFSA-Q-2020-00636) and identified issues that require clarification.
- 4.6. The Working Group discussed the application on L-glutamic acid produced using strain Corynebacterium glutamicum NITE BP-01681, and its sodium salt (hydrate form) monosodium glutamate monohydrate for all animal species (EFSA-Q-2020-00502) and identified issues that require clarification.
- **4.7.**Items not discussed: L-lysine sulphate produced by *Corynebacterium glutamicum* KCCM 80227 (DK257RN) for all animal species (EFSA-Q-2020-00708).

5. Any Other Business

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 $^{^{3}\} http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf$

⁴ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





Not Applicable

6. Next meeting

19 and 22 April 2021.





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

MINUTES OF THE 44th MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 17 February 2021

(Agreed on 17 February 2021)

Participants

n Working Group Members:

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

n Hearing Experts¹:

Not Applicable

n European Commission and/or Member States representatives:

Not Applicable

n EFSA:

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

n Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participants. No apologies were received.

¹ 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 4.8 was added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management³, EFSA screened the Annual Declarations of Interest filled out by the 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 BIO-THREE® (*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 finalised the relevant sections of the draft opinion.
- **4.2.**The Working Group continued the discussion on 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 finalised the relevant sections of the draft opinion.
- **4.3.**The Working Group continued the discussion on the application on red carotenoid rich *Paracoccus carotinifaciens* (Panaferd-AX) for salmon and trout (EFSA-Q-2017-00694) and identified issues that require clarification.
- 4.4.The Working Group continued the discussion on the application on Aviax® 5% (Semduramicin sodium) for chickens for fattening (EFSA-Q-2019-00813) and finalised the relevant sections of the draft opinion.
- **4.5**. The Working Group discussed the application on *Lactobacillus plantarum* DSM 12836 for all animal species (EFSA-Q-2020-00614) and decided that further discussion is needed.
- **4.6.**The Working Group discussed the application on L-histidine monohydrochloride monohydrate produced using *Escherichia coli* NITE SD 00268 as feed additive for all animal species (EFSA-Q-2020-00604) and identified issues that require clarification.
- **4.7.**The Working Group discussed the application on Avemix 02 CSL (endo-1,4-β-xylanase produced by *Trichoderma reesei* MUCL 49755, endo-1,3(4)-β-glucanase produced by *T. reesei* MUCL 49754 and polygalacturonase produced by *Aspergillus aculeatus* CBS 589.94) for weaned piglets for (EFSA-Q-2020-00635) and identified issues that require clarification.
- 4.8. The Working Group discussed the application on Beltherm MP/ML (endo-1,4-beta-xylanase) for laying hens (EFSA-Q-2020-00004) and identified issues that require clarification.
- 4.9.Items not discussed: BioPlus® 2B (*Bacillus licheniformis* DSM 5749 and *Bacillus subtilis* DSM 5750) for calves for fattening, other growing ruminants, piglets (suckling and weaned),

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http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





other minor growing and reproductive porcine species, turkeys for breeding and other minor poultry species (EFSA-Q-2019-00736).

5. Any Other Business

Not Applicable

6. Next meeting

11 March 2021.





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

MINUTES OF THE 43rd MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 20 January 2021

(Agreed on 20 January 2021)

Participants

n Working Group Members:

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

n Hearing Experts²:

Not Applicable

n European Commission and/or Member States representatives:

Not Applicable

n EFSA:

FEED Unit: Montserrat Anguita, Rosella Brozzi, Lucilla Gregoretti and Elisa Pettenati.

FIP Unit: Jaime Aguilera.3

n Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participants. No apologies were received.

¹ Attended only for agenda point 4.1

² 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 Attended only for agenda point 4.8





The agenda was adopted with changes. The agenda points 4.7 and 4.8 were added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence⁴ and the Decision of the Executive Director on Competing Interest Management⁵, 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 of Interest made at the beginning of the meeting, please refer to the Annex I.

4. Scientific topic(s) for discussion

- 4.1. The Working Group continued the discussion on the application on Amaferm (fermentation product of *Aspergillus oryzae* NRRL 458) for dairy cows (EFSA-Q-2020-00574) and decided to inform the applicant on issues that require clarification.
- 4.2. The Working Group continued the discussion on the application on L-lysine monohydrochloride/concentrated liquid L-lysine produced by fermentation with *Corynebacterium glutamicum* KCCM80183 for all animal species (EFSA-Q-2019-00411) and finalised the relevant sections of the draft opinion.
- 4.3. The Working Group discussed the application on BA-KING® (*Bacillus amyloliquefaciens* NITE BP-01844) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding and minor poultry species (EFSA-Q-2020-00496) and finalised the relevant sections of the draft opinion.
- 4.4. 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 that further discussion is needed.
- 4.5. The Working Group discussed the application on MSG (monosodium L-glutamate) produced by fermentation with *Corynebacterium glutamicum* KCCM 80187 for all animal species (EFSA-Q-2020-00155) and finalised the relevant sections of the draft opinion.
- 4.6. The Working Group continued the discussion on 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 sections of the draft opinion.
- 4.7. The Working Group continued the discussion on the application BIO-THREE® (*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 finalised the relevant sections of the draft opinion

4 http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

2

b http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





- **4.8.**The Working Group discussed the draft statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain (EFSA-Q-2019-00434) and revised some sections of the draft document.
- **4.9**.Items not discussed: *Lactobacillus plantarum* DSM 12836 for all animal species (EFSA-Q-2020-00614).

5. Any Other Business

Not Applicable

6. Next meeting

17 February 2021.





Annex I

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

With regard to this meeting, Prof. Miguel Prieto Maradona declared a past ad-hoc consultancy activity with AQUILON CYL S.L. (EFSA-Q-2019-00487). Such activity overlapped with the mandate of this Working Group. In accordance with EFSA's Policy on Independence⁶ and the Decision of the Executive Director on Competing Interest Management⁷, and taking into account the specific matters discussed at the meeting in question, the interest above was deemed to represent a Conflict of Interest (CoI). This results in the exclusion of the expert from any discussion, voting or other processing of item 4.4 by the concerned scientific group.

⁶ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

⁷ 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 42nd 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 Experts1:

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.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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® 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® (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 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-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 Eremothecium ashbyii CCTCCM 2019833) (EFSA-Q-2020-00323) and finalised the relevant sections of the draft opinion.

5. Any Other Business

Not Applicable

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/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 41st 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 Experts1:

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.

¹ 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. Agenda item 4.5. was added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management³, EFSA screened the Annual Declarations of Interest filled out by the 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-1,4beta-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.

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/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 40th 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 Experts1:

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.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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.
- 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.
- 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.
- The Working Group continued the discussion on the application vitamin B2 (riboflavin produced by Eremothecium ashbyii CCTCCM 2019833) (EFSA-Q-2020-00323) and decided that further discussion is needed.
- 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.

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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/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.





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

MINUTES OF THE 39th 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 Glandorf¹, Lieve Herman¹, Secundino López Puente², Baltasar Mayo (Chair of the WG), Miguel Prieto Maradona, Maria Saarela and Yolanda Sanz.

Hearing Experts3:

Not Applicable

European Commission and/or Member States representatives:

Not Applicable

EFSA:

FEED Unit: Montserrat Anguita, Rosella Brozzi, Jaume Galobart, Yolanda García Cazorla, Lucilla Gregoretti, 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.

¹ Attended only the first day of the meeting (20 October)

² Attended only the second day of the meeting (21 October)

³ 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 Independence⁴ and the Decision of the Executive Director on Competing Interest Management⁵, 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.
- The Working Group continued the discussion on the application B-Act® (Bacillus 4.2. 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

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/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.





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

MINUTES OF THE 38th MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 28 September 2020

(Agreed on 28 September 2020)

Participants

n Working Group Members:

Henrik Christensen, Baltasar Mayo (Chair of the WG), Miguel Prieto Maradona, Maria Saarela and Yolanda Sanz.

n Hearing Experts1:

Not Applicable

n European Commission and/or Member States representatives:

Not Applicable

n EFSA:

FEED Unit: Rosella Brozzi, Yolanda García Cazorla, Elisa Pettenati, Joana Revez, Konstantinos Sofianidis and Maria Vittoria Vettori.

n Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participants.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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* DSM 7134) 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.

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

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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.





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

MINUTES OF THE 37th 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 Experts1:

Carmen Peláez.

European Commission and/or Member States representatives:

Not Applicable

EFS A:

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

¹ 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

EFS A 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 Independence² and the Decision of the Executive Director on Competing Interest Management³. 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 issue s 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 genomese quence analysis of microorganisms intentionally used in the food chain (EFS A-Q-2019-00434), taking into account the comments received during the public consultation (EFS A-Q-2020-00031), and modified the draft accordingly. It was decided that further revision and discussion are needed.

5. Any Other Business

Not applicable

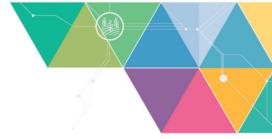
6. Next meeting

28 September 2020

 $^{^2\,}http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf$

 $^{^3\}overline{\text{http://www.e}} \text{ fs a. europa. eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf$





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

MINUTES OF THE 36th MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 28 August 2020

(Agreed on 14 September 2020 by written procedure)

Participants

n Working Group Members:

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

n Hearing Experts1:

Not Applicable

n European Commission and/or Member States representatives:

Not Applicable

n EFSA:

FEED Unit: Montserrat Anguita, Rosella Brozzi, Yolanda García Cazorla, Lucilla Gregoretti, Elisa Pettenati, Joana Revez and Maria Vittoria Vettori.

n Others:

Not Applicable

1. Welcome and apologies for absence

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

¹ 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 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® 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® 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® 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®, Cernivet® (*Enterococcus faecium* NCIMB 10415) for poultry ruminants and pigs (<u>EFSA-Q-2020-00391</u>) 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 (<u>EFSA-Q-2020-00267</u>) 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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.

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/competing_interest_management_17.pdf





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

MINUTES OF THE 35th MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 29 June 2020

(Agreed 29 June 2020)

Participants

- Morking Group Members:Philip Ashton, Christina Cuomo and Baltasar Mayo.
- n Hearing Experts¹:John Louis Edward
- n European Commission and/or Member States representatives:Not Applicable
- n EFSA:

FEED Unit: Montserrat Anguita

n Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participant.

2. Adoption of agenda

The agenda was adopted without changes.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

 $^{^{3} \ \}underline{\text{http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf}$





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

MINUTES OF THE 34th MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 26 June 2020

(Agreed on 26 June 2020)

Participants

n Working Group Members:

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

n Hearing Experts1:

Not Applicable

n European Commission and/or Member States representatives:

Not Applicable

n EFSA:

FEED Unit: Montserrat Anguita, Rosella Brozzi, Yolanda García Cazorla, Elisa Pettenati and Maria Vittoria Vettori.

n Others:

Not Applicable

1. Welcome and apologies for absence

EFSA welcomed the participants. No apologies were received.

2. Adoption of agenda

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management^{3,} 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) (<u>EFSA-Q-2019-00370</u>) 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) (<u>EFSA-Q-2020-00323</u>) 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.

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

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- 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.





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

MINUTES OF THE 33rd MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 22 June 2020

(Agreed 22 June)

Participants

Working Group Members:

Baltasar Mayo

Hearing Experts¹:

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.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management^{3,} 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

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 $^{^2\ \}underline{\text{http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf}$

http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





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

MINUTES OF THE 32nd MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 11 and 12 June 2020

(Agreed 15 June by written procedure)

Participants

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V١	/OI	KINU	Group	wem	bers:

Baltasar Mayo

Hearing Experts¹:

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.

¹ 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 2 and the Decision of the Executive Director on Competing Interest Management^{3,} 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

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 $^{^2\ \}underline{\text{http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf}$

http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





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

MINUTES OF THE 31st MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 14 May 2020

(Agreed on 14 May 2020)

Participants

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

Hearing Experts1:

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.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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 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) 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.

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

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 $^{{}^{3}\ \}underline{\text{http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf}$





- 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 30th 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 Ashton¹, Henrik Christensen, Pier Sandro Cocconcelli, Boet Glandorf, Lieve Herman, Baltasar Mayo (Chair of the WG), Carmen Peláez¹, Miguel Prieto Maradona, Maria Saarela and Yolanda Sanz.

Hearing Experts2:

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 Aquilera1

BIOCONTAM Unit: Beatriz Guerra¹

PREV Unit: Laszlo Bura¹

NUTRI Unit: Reinhard Ackerl1

Others:

Not Applicable

¹ Attended only on 15 April morning for point 4.1. of the agenda.

² 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 Independence³ and the Decision of the Executive Director on Competing Interest Management⁴, 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® 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® 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 finalised the relevant sections of the draft opinion.
- 4.4. The Working Group discussed the application on ROVABIO® 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

³ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

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⁴ 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 29th MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 7 April 2020

(Agreed on 7 April 2020)

Participants

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

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

 $^{^{3} \ \}underline{\text{http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf}$





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

MINUTES OF THE 28th 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 Experts1:

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

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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'-inosidate) 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.

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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 27th 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 Experts1:

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.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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

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² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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 26th 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 Ashton¹ and Baltasar Mayo

Hearing Experts²:

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 Guerra¹

PREV Unit: Laszlo Bura¹ and Dimitra Kardassi³

Others:

Not Applicable

¹ Attended only on 5 March

² 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.

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 Independence⁴ and the Decision of the Executive Director on Competing Interest Management⁵, 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

10 March 2020

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⁴ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

⁵ 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 25th 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 Experts1:

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

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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.

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

 $^{^{3}\ \}underline{\text{http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf}$





- 4.9. The Working group discussed the application on *Bacillus subtilis* DSM 32325 for all animal species (<u>EFSA-Q-2017-00744</u>) 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 24th 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 ¹ :
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.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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

 $^{^{2}\ \}underline{\text{http://www.efsa.europa.eu/sites/default/files/corporate}\ \underline{\text{publications/files/policy}}\ \underline{\text{independence.pdf}}$

 $^{^{3} \ \}underline{\text{http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf}$





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

MINUTES OF THE 23RD 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 Experts¹:

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.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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.

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

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³ 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 22ND 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 Experts¹:

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.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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 (<u>EFSA-Q-2019-00591</u>) 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 alphagalactosidase) for chickens for fattening, chickens reared for laying and minor poultry species for fattening and reared for laying (EFSA-Q-2017-00837).

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

2

³ 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





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

MINUTES OF THE 21ST 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 Experts1:

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.

¹ 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:





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 Independence² and the Decision of the Executive Director on Competing Interest Management^{3,} 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 (<u>EFSA-Q-2018-00712</u>) 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 (<u>EFSA-Q-2018-00427</u>) 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 (<u>EFSA-Q-2018-00545</u>) 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

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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 20TH 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 Experts1:

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.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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 (<u>EFSA-Q-2015-00754</u>) 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 (<u>EFSA-Q-2019-00331</u>) 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

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

 $^{{}^{3} \ \}underline{\text{http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf}$





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'-inosidate) 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









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

MINUTES OF THE 19TH 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 Experts1:

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

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management^{3,} 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

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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 18TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 3 October 2019

(Agreed on 3 October 2019)

Participants

Working	Group	Members:
	OI OUD	IVICTIBEL 3.

Henrik Christensen, Boet Glandorf, Baltasar Mayo (Chair of the WG), Miguel Prieto Maradona and Maria Saarela.

Hearing Experts1:

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.

¹ 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 4.5 was added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management^{3,} 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

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





6. Next meeting

11 October 2019

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

MINUTES OF THE 17TH 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 Experts1:

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.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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

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² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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 16TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 4 September 2019

(Agreed on 4 September 2019)

Participants

Working	Group	Members:
VVOIKIIIG	Oloup	MICHIDCE 3.

Baltasar Mayo, Miguel Prieto, Henrik Christensen and Maria Saarela

Yolanda Sanz in agenda item 4.3

Hearing Experts1:

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.

¹ 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 4.5 was added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management^{3,} 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 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) and decided that further discussion is needed.

5. Any Other Business

Not Applicable

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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 15TH 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 Experts¹:

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.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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 (<u>EFSA-Q-2019-00434</u>) and decided that further discussion is needed.

5. Any Other Business

Not Applicable

6. Next meeting

4 September 2019

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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 14TH 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 Experts¹:

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.

¹ 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 4.5 was added.

3. Declarations of Interest of Working Groups members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management³, EFSA screened the Annual Declarations of Interest filled out by the 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 (<u>EFSA-Q-2018-00695</u>) 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, alphaamylase and protease) for chickens for fattening, laying hens and all minor poultry species (EFSA-Q-2017-00717).

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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 13TH 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 Experts1:
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

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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 12TH 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 Experts1:

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.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management^{3,} 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

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² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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 11th 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 Experts1:

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

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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 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® 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)

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





10 July 2019

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

MINUTES OF THE 10th 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 Experts1:

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.

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 Independence² and the Decision of the Executive Director on Competing Interest Management³. 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 issued 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 issued 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

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² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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 9TH 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 Experts1:

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

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 2 and the Decision of the Executive Director on Competing Interest Management 3. 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 (<u>EFSA-Q-2018-00690</u>) 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 (<u>EFSA-Q-2017-00754</u>) 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 (<u>EFSA-Q-2018-00546</u>) 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 (<u>EFSA-Q-</u>

 $^{^2\} http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf$

http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf





- <u>2018-00063</u>) 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 (<u>EFSA-Q-2016-00833</u>) 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 8TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 17 April 2019

(Agreed on 17 April 2019)

Pa	rticipants ——
n	Working Group Members:
	Henrik Christensen, Boet Glandorf, Lieve Herman, Baltasar Mayo, Miguel Prieto Maradona and Yolanda Sanz.
n	Hearing Experts ¹ :
	Not Applicable
n	European Commission and/or Member States representatives:
	Not Applicable
n	EFSA:
	Feed Unit: Montserrat Anguita, Rosella Brozzi, Orsolya Holczknecht, Elisa Pettenati, Konstantinos Sofianidis, Jordi Tarrés-Call and Maria Vittoria Vettori
n	Others:
	Not Applicable
1.	Welcome and apologies for absence
EFS	SA welcomed the participants.
Арс	ologies were received from Maria Saarela.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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 ®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® (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

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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 7TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 10 April 2019

(Agreed on 10 April 2019)

Participants

Working Group Members:

Baltasar Mayo

Hearing Experts¹:

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.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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 6TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 22 March 2019

(Agreed on 22 March 2019)

Participants

n Working Group Members:

Henrik Christensen, Lieve Herman, Baltasar Mayo and Miguel Prieto Maradona

n Hearing Experts1:

Not Applicable

n European Commission and/or Member States representatives:

Not Applicable

n EFSA:

Feed Unit: Montserrat Anguita, Rosella Brozzi and Elisa Pettenati

n 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.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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'-inosidate) 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

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² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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 5TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 6 March 2019

(Agreed on 6 March 2019)

Participants

n Working Group Members:

Henrik Christensen, Boet Glandorf, Baltasar Mayo, Miguel Prieto Maradona and Maria Saarela

n Hearing Experts1:

Not Applicable

n European Commission and/or Member States representatives:

Not Applicable

n EFSA:

Feed Unit: Montserrat Anguita, Rosella Brozzi, Matteo Innocenti, Gloria López and Elisa Pettenati

n 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.

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management^{3,} 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 (<u>EFSA-Q-2019-00037</u>) 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 (endo1,4-beta-xylanase (EC 3.2.1.8) derived from *Trichoderma reesei*, alphaamylase (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

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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 4TH MEETING OF THE WORKING GROUP ON MICROBIOLOGY

TELE-conference, 20 February 2019

(Agreed on 20 February 2019)

Participants

Morking Group Members:Herman Lieve, Mayo Baltasar, Miguel Prieto Maradona and Maria Saarela

n Hearing Experts1:

Not Applicable

n European Commission and/or Member States representatives:

Not Applicable

n EFSA:

Feed Unit: Montserrat Anguita, Rosella Brozzi, Elisa Pettenati, Fabiola Pizzo and Jordi Tarrés

n Others:

Not Applicable

1. Welcome and apologies for absence

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

¹ 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 Independence² and the Decision of the Executive Director on Competing Interest Management³, 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 Llysine 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

² http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

³ 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. <i>A</i>	4ny	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 3rd meeting of the Working Group on Microbiology

Parma, 30-31 January 2019

(Agreed on 31 January 2019)¹

Participants

Working Group Members:

Hearing Experts²:

Not Applicable

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

	Not Applicable
•	European Commission and/or Member States representatives:

• EFSA:

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

1. Welcome and apologies for absence

¹ 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).

² 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 Independence³ and the Decision of the Executive Director on Competing Interest Management⁴, 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® G200 (monensin sodium) for chickens for fattening,

³ 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/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® (*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® Life **B3** HiCon (Bacillus amyloliquefaciens **AGTP** BS918/NRRL B-50508, amyloliquefaciens Bacillus **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® (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® (*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® XP 10000 TPT and PHYZYME® 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
U.	INCVE	meeting

20 February 2019



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

Minutes of the 2nd meeting of the Working Group on Microbiology

TELE-conference, 11 January 2019

(Agreed on 11 January 2019)¹

Participants

- Working Group Members:²
 Boet Glandorf, Herman Lieve, Mayo Baltasar and Maria Saarela.
- Hearing Experts³:
 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.

¹ 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).

Indicate first full name and then surname (John Smith) all throughout the document.

³ 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 Independence⁴ and the Decision of the Executive Director on Competing Interest Management⁵, 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.

⁴ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

 $[\]frac{\text{http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_1}{7.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 1st meeting of the Working Group on Microbiology

TELE-conference, 11 December 2018

(Agreed on 11 December 2018)¹

Participants

- Working Group Members:²
 Boet Glandorf, Lieve Herman, Baltasar Mayo and Maria Saarela.
- Hearing Experts³:
 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.

¹ 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).

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

³ 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 Independence⁴ and the Decision of the Executive Director on Competing Interest Management⁵, 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.

⁴ 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/competing_interest_management_1 7.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 (<u>EFSA-Q-2017-00693</u>) 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