

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

### Minutes of the 137<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 3 September 2018, Tele-web conference**

**(Agreed on 6 September 2018 by written procedure)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick and Maryline Kouba.

- **Hearing Experts:**<sup>1</sup>

Not Applicable.

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

Not Applicable.

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable.

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

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted.

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest<sup>3</sup>, EFSA screened the Annual Declarations of Interest. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process. Additionally, no interests were declared at the Oral Declaration of Interest made at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group discussed the application on HOSTAZYM<sup>®</sup> X (endo-1,4-beta-xylanase) as a feed additive for rabbits for fattening ([EFSA-Q-2018-00420](#)) and decided to present the draft document, modified accordingly, to the plenary meeting.
- 4.2. The Working Group discussed the application on HOSTAZYM<sup>®</sup> X (endo-1,4-beta-xylanase) as a feed additive for sows ([EFSA-Q-2017-00747](#)) and decided to present the draft document, modified accordingly, to the plenary meeting.
- 4.3. The Working Group discussed the application on 3-phytase 10000 FSF produced by fermentation with a genetically modified strain of *Pichia pastoris* as a feed additive for chickens for fattening or reared for laying, laying hens, minor poultry species, pigs for fattening and minor porcine species ([EFSA-Q-2017-00650](#)) and decided to present the draft document, modified accordingly, to the plenary meeting.
- 4.4. The Working Group discussed the application on Bergazym<sup>®</sup> P100 (endo-1,4-beta-xylanase) for chickens for fattening and weaned piglets ([EFSA-2017-00682](#)) and decided to present the draft document, modified accordingly, to the plenary meeting.
- 4.5. The Working Group discussed the application on Beltherm MP and Beltherm ML as a feed additive for piglets (weaned), pigs for fattening and other porcine species ([EFSA-Q-2017-00749](#)) and decided to inform the applicant on issues that required clarification.
- 4.6. The Working Group discussed the application on PHYZYME<sup>®</sup> XP 5000 G, PHYZYME<sup>®</sup> XP 5000 L (6-phytase) as a feed additive for weaned piglets, pigs for fattening, sows for reproduction, chickens

<sup>2</sup> <http://www.efsa.europa.eu/en/corporate/pub/policyonindependence>

<sup>3</sup> <http://www.efsa.europa.eu/en/corporate/pub/independencepolicy17>

for fattening, laying hens, turkeys for fattening and ducks for fattening ([EFSA-Q-2016-00559](#)) and decided to present the draft document, modified accordingly, to the plenary meeting.

- 4.7. The Working Group discussed the application on CIBENZA<sup>®</sup> PHYTAVERSE<sup>®</sup> G10, CIBENZA<sup>®</sup> PHYTAVERSE<sup>®</sup> L10 (6-phytase) as a feed additive 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 that more discussion is needed.
- 4.8. The following item was not discussed: APSA PHYTAFEED<sup>®</sup> 20,000 GR, APSA PHYTAFEED<sup>®</sup> 20,000 L (6-phytase) for chickens for fattening, chickens reared for laying and minor poultry species ([EFSA-Q-2018-00478](#)).

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

### Minutes of the 136<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 18 July 2018, Tele-web conference**

**(Agreed on 24 July 2018 by written procedure)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick and Maryline Kouba.

- **Hearing Experts:<sup>1</sup>**

Not Applicable.

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

Not Applicable.

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable.

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

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted with changes. The application on PHYZYME<sup>®</sup> XP 5000 G, PHYZYME<sup>®</sup> XP 5000 L (6-phytase) weaned piglets, pigs for fattening, sows for reproduction, chickens for fattening, laying hens,

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

turkeys for fattening and ducks for fattening ([EFSA-Q-2016-00559](#)) was removed from the agenda.

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest<sup>3</sup>, EFSA screened the Annual Declarations of Interest. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process. Additionally, no interests were declared at the Oral Declaration of Interest made at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group continued the discussion on the application on Natuphos<sup>®</sup> (3-phytase) as a feed additive for piglets (suckling and weaned piglets), pigs for fattening, sows for reproduction, chickens for fattening, chickens reared for laying and breeding, laying hens and breeding hens, ducks for fattening, ducks for breeding and laying, turkeys reared for breeding, turkeys for fattening, ornamental birds, minor avian species, all other poultry for laying and breeding (except ducks) ([EFSA-Q-2016-00376](#)) and decided that more discussion is needed.
- 4.2. The Working Group discussed the application on Natugrain<sup>®</sup> Wheat TS (endo-1,4-beta-xylanase) for turkeys for fattening, chickens for fattening and ducks, turkeys reared for breeding, ornamental birds, minor avian species except ducks and laying birds ([EFSA-Q-2017-00025](#)) and decided that more discussion is needed.
- 4.3. The Working Group discussed the application on the fermentation product of *Aspergillus oryzae* (NRRL 458) containing endo-1,4-beta-glucanase and alpha-amylase as a feed additive for dairy cows ([EFSA-Q-2016-00883](#)) and decided to inform the applicant on issues that required clarification.

### 5. Next meeting

3 September 2018

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<sup>2</sup> <http://www.efsa.europa.eu/en/corporate/pub/policyonindependence>

<sup>3</sup> <http://www.efsa.europa.eu/en/corporate/pub/independencepolicy17>

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

### Minutes of the 135<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 25 June 2018, Tele-web conference**

**(Agreed on 25 June 2018)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick and Maryline Kouba

- **Hearing Experts:<sup>1</sup>**

Not Applicable

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

Not Applicable

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable

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

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group discussed the application on the application on Natuphos<sup>®</sup> (3-phytase) for piglets (suckling and weaned piglets), pigs for fattening, sows for reproduction, chickens for fattening, chickens reared for laying and breeding, laying hens and breeding hens, ducks for fattening, ducks for breeding and laying, turkeys reared for breeding, turkeys for fattening, ornamental birds, minor avian species, all other poultry for laying and breeding (except ducks) ([EFSA-Q-2016-00376](#)) and decided that more discussion is needed.
- 4.2. The Working Group discussed the application on Natugrain<sup>®</sup> Wheat TS (endo-1,4-beta-xylanase) for turkeys for fattening, chickens for fattening and ducks, turkeys reared for breeding, ornamental birds, minor avian species except ducks and laying birds ([EFSA-Q-2017-00025](#)) and decided that more discussion is needed.
- 4.3. The Working Group discussed the application on Capsozyme<sup>®</sup> 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](#)) decided to inform the applicant on issues that required clarification.
- 4.4. The Working Group discussed the application on PHYZYME<sup>®</sup> XP 5000 G, PHYZYME<sup>®</sup> XP 5000 L (6-phytase) weaned piglets, pigs for fattening, sows for reproduction, chickens for fattening, laying hens, turkeys for fattening and ducks for fattening ([EFSA-Q-2016-00559](#)) and decided that more discussion is needed.

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

## **5. Next meeting**

18 July 2018



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

### Minutes of the 134<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 17 May 2018, Tele-web conference**

**(Agreed on 21 May 2018 by written procedure )**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick and Maryline Kouba.

- **Hearing Experts:<sup>1</sup>**

Not Applicable.

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

Not Applicable.

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable.

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

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group discussed the application on the application on Natuphos<sup>®</sup> (3-phytase) for piglets (suckling and weaned piglets), pigs for fattening, sows for reproduction, chickens for fattening, chickens reared for laying and breeding, laying hens and breeding hens, ducks for fattening, ducks for breeding and laying, turkeys reared for breeding, turkeys for fattening, ornamental birds, minor avian species, all other poultry for laying and breeding (except ducks) ([EFSA-Q-2016-00376](#)) and decided that more discussion is needed.
- 4.2. The Working Group discussed the application on Beltherm<sup>®</sup> MP and Beltherm<sup>®</sup> ML (endo-1,4-beta-xylanase) as a feed additive for piglets (weaned), pigs for fattening and other porcine species ([EFSA-Q-2017-00749](#)) and decided to inform the applicant on issues that required clarification.
- 4.3. The Working group discussed the application on Belfeed<sup>®</sup> B MP/ML (endo-1,4-beta-xylanase) for sows in order to have benefit in piglets and all porcine species and life stages ([EFSA-Q-2018-00253](#)) and decided to inform the applicant on issues that required clarification.
- 4.4. The following items were not discussed: the application on Natugrain<sup>®</sup> Wheat TS (endo-1,4-beta-xylanase) for turkeys for fattening, chickens for fattening and ducks, turkeys reared for breeding, ornamental birds, minor avian species except ducks and laying birds ([EFSA-Q-2017-00025](#)) and the application on Capsozyme<sup>®</sup> SB Plus (endo-1,4-beta-xylanase and alpha-galactosidase) for chickens for fattening, chickens reared for laying

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

and minor poultry species for fattening and reared for laying  
([EFSA-Q-2017-00837](#))

## **5. Next meeting**

25 June 2018

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

### Minutes of the 133<sup>rd</sup> meeting of the Working Group on Enzymes

**Held on 11 May 2018, Tele-web conference**

**(Agreed on 17 May 2018 )**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick and Maryline Kouba.

- **Hearing Experts:<sup>1</sup>**

Not Applicable.

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

Not Applicable.

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable.

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

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group discussed the application on Muramidase produced by *Trichoderma reesei* DSM 32338 for chickens for fattening and minor poultry species ([EFSA-Q-2017-00632](#)) and decided to present the draft document, modified accordingly, to the plenary meeting.
- 4.2. The Working Group discussed the application on Beltherm MP and Beltherm ML as a feed additive for piglets (weaned), pigs for fattening and other porcine species ([EFSA-Q-2017-00749](#)) and decided that more discussion is needed.
- 4.3. The following items were not discussed: the application on Natuphos<sup>®</sup> (3-phytase) for piglets (suckling and weaned piglets), pigs for fattening, sows for reproduction, chickens for fattening, chickens reared for laying and breeding, laying hens and breeding hens, ducks for fattening, ducks for breeding and laying, turkeys reared for breeding, turkeys for fattening, ornamental birds, minor avian species, all other poultry for laying and breeding (except ducks) ([EFSA-Q-2016-00376](#)) and the application on Natugrain<sup>®</sup> Wheat TS (endo-1,4-beta-xylanase) for turkeys for fattening, chickens for fattening and ducks, turkeys reared for breeding, ornamental birds, minor avian species except ducks and laying birds ([EFSA-Q-2017-00025](#)).

### 5. Next meeting

17 May 2018

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

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

### Minutes of the 132<sup>nd</sup> meeting of the Working Group on Enzymes

**Held on 12 March 2018, Tele-web conference**

**(Agreed on 11 May 2018 )**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick and Maryline Kouba.

- **Hearing Experts:<sup>1</sup>**

Not Applicable.

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

Not Applicable.

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable.

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

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group discussed the application on Hemicell<sup>®</sup> HT and Hemicell<sup>®</sup> HT-L (endo-1,4-beta-mannanase) for chickens for fattening, chickens reared for laying, turkey for fattening, turkeys reared for breeding, weaned piglets, pigs for fattening and minor poultry/porcine species ([EFSA-Q-2018-00050](#)) and decided to present the draft document, modified accordingly, to the plenary meeting.
- 4.2. The Working Group continued the discussion on the application on Hemicell<sup>®</sup>-L (endo-1,4-beta-mannanase) for turkeys for fattening or reared for breeding ([EFSA-Q-2016-00087](#)) and for chickens for fattening or reared for laying and minor poultry species ([EFSA-Q-2016-00181](#)) and decided to present the draft document, modified accordingly, to the plenary meeting.
- 4.3. The Working Group discussed the application on Hostazym<sup>®</sup> X (endo-1,4-beta-xylanase) as a feed additive for sows ([EFSA-Q-2017-00747](#)) and decided to inform the applicant on issues that required clarification.

### 5. Next meeting

11 May 2018

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

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

### Minutes of the 131<sup>st</sup> meeting of the Working Group on Enzymes

**Held on 23 February 2018, Tele-web meeting**

**(Agreed on 23 February 2018)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick and Maryline Kouba.

- **Hearing Experts:**<sup>1</sup>

Not Applicable.

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

Not Applicable.

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable.

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

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted with changes. The following items were removed from the agenda: Natuphos<sup>®</sup> (3-phytase) [EFSA-Q-2016-00376](http://www.efsa.europa.eu/en/keydocs/docs/EFSA-Q-2016-00376), and Natugrain<sup>®</sup> Wheat TS (endo-1,4-beta-xylanase) [EFSA-Q-2017-00025](http://www.efsa.europa.eu/en/keydocs/docs/EFSA-Q-2017-00025).

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts: <http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>



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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group discussed the application on Amylofeed<sup>®</sup> (endo-1,3(4)-beta-glucanase, endo-1,4-beta-xylanase and alpha-amylase) for piglets and young minor porcine species ([EFSA-Q-2018-00001](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 4.2. The Working Group discussed the application on Hemicell<sup>®</sup> HT and Hemicell<sup>®</sup> HT-L (endo-1,4-beta-mannanase) for chickens for fattening, chickens reared for laying, turkey for fattening, turkeys reared for breeding, weaned piglets, pigs for fattening and minor poultry/porcine species ([EFSA-Q-2018-00050](#)) and decided that more discussion is needed.
- 4.3. The Working Group continued the discussion on the application on Hemicell<sup>®</sup> L (beta-mannanase) for turkeys for fattening or reared for breeding ([EFSA-Q-2016-00087](#)) and for chickens for fattening or reared for laying and minor poultry species ([EFSA-Q-2016-00181](#)) and decided that more discussion is needed.
- 4.4. The Working Group continued the discussion on 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 citrinoviride* CBS 614.94 and endo-1,3(4)-beta-glucanase from *Aspergillus tubingensis* MUCL 39199 for all animal species ([EFSA-Q-2012-00411](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

4.5. The Working Group discussed the application on Hostazym X (endo-1,4-beta-xylanase) as a feed additive for sows ([EFSA-Q-2017-00747](#)) and decided that more discussion is needed.

## **5. Any Other Business**

Not Applicable

## **6. Next meeting**

12 March 2018

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

### Minutes of the 130<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 9 February 2018, Tele-web meeting**

**(Agreed on 13 February 2018 )**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Gabriele Aquilina and Paul Brantom.

- **Hearing Experts:<sup>1</sup>**

Not Applicable.

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

Not Applicable.

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable.

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

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Scientific topics for discussion**

- 4.1. The Working Group continued the discussion on the applications on Hemicell<sup>®</sup> (endo-1,4-beta-mannanase) as a feed additive for turkeys reared for breeding and turkeys for fattening ([EFSA-Q-2016-00087](#)) and as a feed additive for chickens for fattening, chickens reared for laying, minor poultry species ([EFSA-Q-2016-00181](#)) and decided that further discussion is needed.
- 4.2. The Working Group discussed the application on Axtra<sup>®</sup> XAP 104 TPT (endo-1,4-beta-xylanase, alpha-amylase and protease) for chickens for fattening, laying hens and all minor poultry species ([EFSA-Q-2017-00717](#)) and decided to inform the applicant on issues that required clarification.

### **5. Any Other Business**

Not Applicable

### **6. Next meeting**

23 February 2018

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

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

### Minutes of the 129<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 18 January 2018, Tele-web meeting**

**(Agreed on 18 January 2018)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Vasileios Bampidis, Noël Dierick and Maryline Kouba

- **Hearing Experts:**

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**

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted with modifications. The following item was removed from the agenda: Natuphos (3-phytase) for piglets (suckling and weaned piglets), pigs for fattening, sows for reproduction, chickens for fattening, chickens reared for laying and breeding, laying hens and breeding hens, ducks for fattening, ducks for breeding and laying, turkeys

reared for breeding, turkeys for fattening, ornamental birds, minor avian species, all other poultry for laying and breeding (except ducks) ([EFSA-Q-2016-00376](#)).

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>2</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Scientific topics for discussion**

- 4.1. The Working Group discussed the application on Hemicell<sup>®</sup>-L (endo-1,4-beta-mannanase) as a feed additive for chickens for fattening and chickens reared for laying and minor poultry species ([EFSA-Q-2016-00181](#)) and as a feed additive for turkeys for fattening or reared for breeding purposes ([EFSA-Q-2016-00087](#)) and decided that further discussion is needed.
- 4.2. The Working Group discussed the application on Axtra<sup>®</sup> XAP 104 TPT (endo-1,4-beta-xylanase, alpha-amylase and protease) as a feed additive for chickens for fattening, laying hens and minor poultry species ([EFSA-Q-2017-00717](#)) and decided that further discussion is needed.

### **5. Any Other Business**

Not Applicable

### **6. Next meeting**

9 February 2018

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

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

### Minutes of the 128<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 4 of December 2017, Tele-web meeting**

**(Agreed on 4 December 2017)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Vasileios Bampidis, Paul Brantom, Gabriele Aquilina, Noël Dierick and Maryline Kouba

- **Hearing Experts:**

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**

The Chair welcomed the participants.

No apologies were received.

#### **2. Adoption of agenda**

The agenda was adopted with modifications. The following item was removed from the agenda: PHYZYME<sup>®</sup> XP 5000 G, PHYZYME<sup>®</sup> XP 5000 L (6-phytase) weaned piglets, pigs for fattening, sows for reproduction,

chickens for fattening, laying hens, turkeys for fattening and ducks for fattening (EFSA-Q-2016-00559).

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>2</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Scientific topics for discussion**

- 4.1. The Working Group discussed the application on the preparation of 3-phytase produced by fermentation of a genetically modified strain of *Komagataella pastoris* as a feed additive for chickens for fattening or reared for laying, laying hens, minor poultry species, pigs for fattening and minor porcine species ([EFSA-Q-2017-00650](#)) and decided to inform the applicant on issues that require clarification.
- 4.2. The Working Group discussed the application on muramidase produced by *Trichoderma reesei* DSM 32338 as a feed additive for chickens for fattening ([EFSA-Q-2017-00632](#)) and decided to inform the applicant on issues that require clarification.

### **5. Any Other Business**

Not Applicable

### **6. Next meeting**

29 January 2018

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>



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

### Minutes of the 127<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 20 of November 2017, Tele-web meeting**

**(Agreed on 20 November 2017)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Vasileios Bampidis, Gabriele Aquilina, Noël Dierick and Maryline Kouba

- **Hearing Experts:**

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**

The Chair welcomed the participants.

Apologies were received from Paul Brantom.

#### **2. Adoption of agenda**

The agenda was adopted without modifications.

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>2</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group discussed the application on the preparation of 3-phytase produced by fermentation of a genetically modified strain of *Komagataella pastoris* as a feed additive for chickens reared for laying and minor poultry species ([EFSA-Q-2017-00387](#)) and decided to inform the applicant on issues that require clarification.
- 4.2. The Working Group discussed the application on the preparation of 3-phytase produced by fermentation of a genetically modified strain of *Komagataella pastoris* as a feed additive for pigs for fattening and minor porcine species ([EFSA-Q-2017-00447](#)) and decided to inform the applicant on issues that require clarification.
- 4.3. The Working Group discussed the application on Muramidase produced by *Trichoderma reesei* DSM 32338 as a feed additive for chickens for fattening ([EFSA-Q-2017-00632](#)) and decided that more discussion is needed.

### 5. Any Other Business

Not Applicable

### 6. Next meeting

4 December 2017

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

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

### Minutes of the 126<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 13 of November, Tele-web meeting**

**(Agreed on 13 November 2017)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Vasileios Bampidis, Gabriele Aquilina, Noël Dierick and Maryline Kouba

- **Hearing Experts:**

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**

The Chair welcomed the participants.

Apologies were received from Paul Brantom.

#### **2. Adoption of agenda**

The agenda was adopted without modifications.

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>2</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Scientific topics for discussion**

- 4.1. The Working Group discussed the application on Econase<sup>®</sup> XT (endo-1,4-beta-xylanase) for laying hens ([EFSA-Q-2017-00254](#)) and decided to present the draft opinion, modified accordingly to the plenary meeting.
- 4.2. The Working Group discussed the application on Bergazym<sup>®</sup> P100 (endo-1,4-beta-xylanase) for chickens for fattening and weaned piglets ([EFSA-2017-00682](#)) and decided to inform the applicant on issues that require clarification.
- 4.3. The Working Group discussed the application on Natugrain<sup>®</sup> TS (endo-1,4-beta-xylanase and endo-1,4-beta-glucanase) for sows in order to have benefit for piglets ([EFSA-Q-2017-00651](#)) and decided to inform the applicant on issues that require clarification.

### **5. Any Other Business**

Not Applicable

### **6. Next meeting**

20 November 2017

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

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

### Minutes of the 125<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 3 of October, Tele-web meeting**

**(Agreed on 13 November 2017)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Vasileios Bampidis, Paul Brantom, Noël Dierick and Maryline Kouba

- **Hearing Experts:**

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**

The Chair welcomed the participants.

Apologies were received from Gabriele Aquilina.

#### **2. Adoption of agenda**

The agenda was adopted without modifications.

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>2</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Scientific topics for discussion**

- 4.1. The Working Group discussed the application on Econase<sup>®</sup> XT (endo-1,4-beta-xylanase) for pigs for fattening ([EFSA-Q-2016-00648](#)) and decided to present the draft opinion, modified accordingly to the plenary meeting.
- 4.2. The Working Group discussed the application on Ronozyme<sup>®</sup> HiPhos (6-phytase) for pigs for fattening ([EFSA-Q-2017-00446](#)) and decided to inform the applicant on issues that require clarification.

### **5. Any Other Business**

Not Applicable

### **6. Next meeting**

13 November 2017

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

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

### Minutes of the 124<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 29 August 2017, Tele-web meeting**

**(Agreed on 3 October 2017)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick and Maryline Kouba

- **Hearing Experts:**

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**

The Chair welcomed the participants.

No apologies were received.

#### **2. Adoption of agenda**

The agenda was adopted without modifications.

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>2</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Scientific topics for discussion**

- 4.1. The Working Group discussed the applications on Natuphos<sup>®</sup> E for all pigs and all avian species ([EFSA-Q-2015-00054](#) and [EFSA-Q-2015-00732](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.

### **5. Any Other Business**

Not Applicable

### **6. Next meeting**

3 October 2017

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>



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

### Minutes of the 123<sup>rd</sup> meeting of the Working Group on Enzymes

**Held on 25 July 2017, Tele-web meeting**

**(Agreed on 25<sup>th</sup> July 2017)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick and Maryline Kouba

- **Hearing Experts:**

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**

The Chair welcomed the participants.

No apologies were received.

#### **2. Adoption of agenda**

The agenda was adopted without modifications.

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>2</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group continued the discussion on the application on Econase<sup>®</sup> XT (endo-1,4-beta-xylanase) for pigs for fattening ([EFSA-Q-2016-00648](#)) and decided to inform the applicant on issues that require clarification.
- 4.2. The Working Group discussed the application on Econase<sup>®</sup> XT (endo-1,4-beta-xylanase) for laying hens ([EFSA-Q-2017-00254](#)) and decided to inform the applicant on issues that require clarification.
- 4.3. The Working Group discussed the application on Ronozyme<sup>®</sup> WX (endo-1,4-beta-xylanase) for laying hens ([EFSA-Q-2016-00842](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 4.4. The Working Group discussed the application on fermentation product of *Aspergillus oryzae* (NRRL 458) containing endo-1,4-beta-glucanase and alpha-amylase ([EFSA-Q-2016-00833](#)) and decided to inform the applicant on issues that require clarification.

### 5. Any Other Business

Not Applicable

### 6. Next meeting

29 August 2017

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<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

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

### Minutes of the 122<sup>nd</sup> meeting of the Working Group on Enzymes

**Held on 30 June 2017, Tele-web meeting**

**(Agreed by written procedure on 4<sup>th</sup> July 2017)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick and Maryline Kouba

- **Hearing Experts:**

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**

The Chair welcomed the participants.

No apologies were received.

#### **2. Adoption of agenda**

The agenda was adopted after removing the item on Hostazym<sup>®</sup> X (endo-1,4-beta-xylanase) for carps ([EFSA-Q-2017-00127](https://efsa.europa.eu/en/efsa-qa/efsa-qa-2017-00127)).

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>2</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group discussed the application on Alpha-amylase produced by *Aspergillus oryzae* DS 114; Alpha-amylase produced by *Aspergillus oryzae* CBS 585.94; Alpha-amylase produced by *Bacillus amyloliquefaciens* SD80; Alpha-amylase produced by *Bacillus amyloliquefaciens* DSM 9553; Alpha-amylase produced by *Bacillus subtilis* DS 098; Cellulase produced by *Trichoderma longibrachiatum* ATCC PTA-10001; Cellulase produced by *Trichoderma longibrachiatum* ATCC 74252; Cellulase produced by *Aspergillus niger* CBS 120604 294; Beta-glucanase produced by *Aspergillus niger* MUCL 39199; Xylanase produced by *Trichoderma longibrachiatum* MUCL 39203 and Xylanase produced by *Trichoderma longibrachiatum* CBS 614.94 for all animal species ([EFSA-Q-2012-00411](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 4.2. The Working Group discussed the application on Enzy CarboPlus<sup>®</sup> (endo-1,4-beta-xylanase and endo-1,3(4)-beta-glucanase) for poultry and piglets ([EFSA-Q-2013-00528](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 4.3. The Working Group discussed the application on Natugrain<sup>®</sup> Wheat TS (endo-1,4-beta-xylanase) for turkeys for fattening, chickens for fattening and ducks, turkeys reared for breeding, ornamental birds, minor avian species except ducks and laying birds ([EFSA-Q-2017-00025](#)) and decided to inform the applicant on issues that require clarification.

<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

- 4.4. The following items were not discussed: Fermentation product of *Aspergillus oryzae* (NRRL 458) containing endo-1,4-beta-glucanase and alpha-amylase ([EFSA-Q-2016-00833](#)) and ECONASE XT (endo-1,4-beta-xylanase) for laying hens ([EFSA-Q-2017-00254](#)).

## **5. Any Other Business**

Not Applicable

## **6. Next meeting**

25 July 2017

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

### Minutes of the 121<sup>st</sup> meeting of the Working Group on Enzymes

**Held on 16 June 2017, Tele-web meeting**

**(Agreed on 30 June 2017)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick and Maryline Kouba

- **Hearing Experts:**

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**

The Chair welcomed the participants.

No apologies were received.

#### **2. Adoption of agenda**

The agenda was adopted without modifications.

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>2</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group continued the discussion on the application on Hostazym<sup>®</sup> X (endo-1,4-beta-xylanase) for carp ([EFSA-Q-2017-00127](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 4.2. The Working Group discussed the application on Alpha-amylase produced by *Aspergillus oryzae* DS 114; Alpha-amylase produced by *Aspergillus oryzae* CBS 585.94; Alpha-amylase produced by *Bacillus amyloliquefaciens* SD80; Alpha-amylase produced by *Bacillus amyloliquefaciens* DSM 9553; Alpha-amylase produced by *Bacillus subtilis* DS 098; Cellulase produced by *Trichoderma longibrachiatum* ATCC PTA-10001; Cellulase produced by *Trichoderma longibrachiatum* ATCC 74252; Cellulase produced by *Aspergillus niger* CBS 120604 294; Beta-glucanase produced by *Aspergillus niger* MUCL 39199; Xylanase produced by *Trichoderma longibrachiatum* MUCL 39203 and Xylanase produced by *Trichoderma longibrachiatum* CBS 614.94 for all animal species ([EFSA-Q-2012-00411](#)) and decided that more discussion is needed.
- 4.3. The following items were not discussed: Natugrain<sup>®</sup> Wheat TS (endo-1,4-beta-xylanase) for turkeys for fattening, chickens for fattening and ducks, turkeys reared for breeding, ornamental birds, minor avian species except ducks and laying birds ([EFSA-Q-2017-0025](#)), Enzy CarboPlus<sup>®</sup> (endo-1,4-beta-xylanase and endo-1,3(4)-beta-glucanase) for poultry and piglets ([EFSA-Q-2013-00528](#)), Fermentation product of *Aspergillus oryzae* (NRRL 458) containing endo-1,4-beta-glucanase and alpha-amylase ([EFSA-Q-2016-00833](#)) and ECONASE XT (endo-1,4-beta-xylanase) for laying hens ([EFSA-Q-2017-00254](#)).

<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

## **5. Any Other Business**

Not Applicable

## **6. Next meeting**

30 June 2017.



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

### Minutes of the 120<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 28 April 2017, Tele-web meeting**

**(Agreed on 28 April 2017)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Vasileios Bampidis, Noël Dierick and Maryline Kouba

- **Hearing Experts:**

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**

The Chair welcomed the participants.

Apologies were received from Gabriele Aquilina and Paul Brantom.

#### **2. Adoption of agenda**

The agenda was adopted without modifications.

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>1</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>2</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group discussed the application on Fra Octazyme C Dry (alpha-galactosidase, alpha-amylase, endo-1,3(4)-beta-glucanase, endo-1,4-beta-glucanase, mannan-endo-1,4-beta-mannosidase, pectinase, protease, endo-1,4-beta-xylanase) for chickens for fattening and weaned piglets ([EFSA-Q-2014-00575](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 4.2. The Working Group discussed the application on Beltherm (endo-1,4-beta-xylanase) for chickens for fattening, chickens reared for laying, minor poultry species, turkeys for breeding purposes, turkeys reared for breeding, turkeys for fattening ([EFSA-Q-2016-00179](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 4.3. The Working Group discussed the application on Hostazym<sup>®</sup> X (endo-1,4-beta-xylanase) for carp ([EFSA-Q-2017-00127](#)) and decided to inform the applicant on issues that require clarification.
- 4.4. The following item was not discussed: Natugrain<sup>®</sup> Wheat TS (endo-1,4-beta-xylanase) for turkeys for fattening, chickens for fattening and ducks, turkeys reared for breeding, ornamental birds, minor avian species except ducks and laying birds ([EFSA-Q-2017-0025](#)).

### 5. Any Other Business

Not Applicable

<sup>1</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

## **6. Next meeting**

29 May 2017

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

## Minutes of the 119<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 31 March 2017, Tele-web meeting**

**(Agreed on 28 April 2017)**

### **Participants**

- **Working Group Members:**

Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick and Maryline Kouba

- **Hearing Experts:<sup>1</sup>**

Not Applicable

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

Not Applicable

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable

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

The Chair welcomed the participants.

Apologies were received from Guido Rychen.

### **2. Adoption of agenda**

The agenda was adopted without modifications.

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group continued the discussion on the application on Natuphos<sup>®</sup> E 5000 G and 10000 G for pigs and avian species ([EFSA-Q-2015-00732](#)) and considered that no issues further than those already identified would require clarification from the applicant.
- 4.2. The Working Group discussed the application on Beltherm (endo-1,4-beta-xylanase) for chickens for fattening, chickens reared for laying, minor poultry species, turkeys for breeding purposes, turkeys reared for breeding, turkeys for fattening ([EFSA-Q-2016-00179](#)) and decided that more discussion is needed.
- 4.3. The following item was not discussed: Fra Octazyme<sup>®</sup> C Dry (alpha-galactosidase, alpha-amylase, endo-1,3(4)-beta-glucanase, endo-1,4-beta-glucanase, mannan-endo-1,4-beta-mannosidase, pectinase, protease, endo-1,4-beta-xylanase) for chickens for fattening and weaned piglets ([EFSA-Q-2014-00575](#)).

### 5. Any Other Business

Not Applicable

### 6. Next meeting

28 April 2017

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

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

### Minutes of the 118<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 21-22 February 2017, Rome (Italy)**

**(Agreed by written procedure on 1<sup>st</sup> of March 2017)**

#### **Participants**

- **Working Group Members:**<sup>1</sup>

Guido Rychen (Chair), Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick and Maryline Kouba

- **Hearing Experts:**

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**

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted without modifications.

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<sup>1</sup> Guido Rychen participated on 21<sup>st</sup> of February only, and Paul Brantom participated via web on the 22<sup>nd</sup> of February.

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group discussed the application on Optiphos<sup>®</sup> (6-phytase) for all finfish ([EFSA-Q-2016-00291](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 4.2. The Working Group discussed the applications on Natuphos<sup>®</sup> E 5000; E 5000 L; E 10000 L; E 25000 L (6-phytase) for all pigs, all avian species ([EFSA-Q-2015-00054](#)) and Natuphos<sup>®</sup> E 5000 G and 10000 G for pigs and avian species ([EFSA-Q-2015-00732](#)) and decided to inform the applicant on issues that require clarification.
- 4.3. The Working Group discussed the application on Amylofeed<sup>®</sup> (endo-1,3(4)-beta-glucanase, endo-1,4-beta-xylanase and alpha-amylase) for piglets and minor porcine species ([EFSA-Q-2014-00503](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 4.4. The Working Group discussed the application on Ronozyme<sup>®</sup> WX (endo-1,4-beta-xylanase) for laying hens ([EFSA-Q-2016-00842](#)) and decided to inform the applicant on issues that require clarification.
- 4.5. The following items were not discussed: Fra Octazyme (alpha-galactosidase, alpha-amylase, endo-1,3(4)-beta-glucanase, endo-1,4-beta-glucanase, mannan-endo-1,4-beta-mannosidase, pectinase, protease, endo-1,4-beta-xylanase) for chickens for fattening and weaned piglets ([EFSA-Q-2014-00575](#)) and Beltherm (endo-1,4-beta-xylanase) for chickens for fattening, chickens reared for laying, minor poultry species, turkeys for

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

breeding purposes, turkeys reared for breeding, turkeys for fattening ([EFSA-Q-2016-00179](#)).

## **5. Any Other Business**

Not Applicable

## **6. Next meeting**

31 March 2017



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

## Minutes of the 117<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 16 January 2017, Tele-web meeting**

**(Agreed on 23<sup>rd</sup> January 2017)**

### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Vasileios Bampidis, Paul Brantom, Noël Dierick and Maryline Kouba

- **Hearing Experts:<sup>1</sup>**

Not Applicable

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

Not Applicable

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable

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

The Chair welcomed the participants.

Apologies were received from Gabriele Aquilina.

### **2. Adoption of agenda**

The agenda was adopted with modifications. The following item was removed from the agenda: Amylofeed<sup>®</sup> (endo-1,3(4)-beta-glucanase,

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

endo-1,4-beta-xylanase and alpha-amylase) for piglets and minor porcine species ([EFSA-Q-2014-00503](#))

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Scientific topics for discussion**

- 4.1. The Working Group discussed the application on Endofeed<sup>®</sup> DC (endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase) for chickens for fattening, laying hens, pigs for fattening, minor poultry species and minor porcine species ([EFSA-Q-2014-00504](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 4.2. The Working Group discussed the application on Bergazym<sup>®</sup> P100 (endo-1,4-beta-xylanase) for chickens for fattening, weaned piglets and pigs for fattening ([EFSA-Q-2014-00586](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 4.3. The Working Group discussed the application on Econase<sup>®</sup> XT (endo-1,4-beta-xylanase) for pigs for fattening ([EFSA-Q-2016-00648](#)) and decided to inform the applicant on issues that requires clarification.

### **5. Any Other Business**

Not Applicable

### **6. Next meeting**

21-22 February 2017

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

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

### Minutes of the 116<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 14 December 2016, Tele-web meeting**

**(Agreed on 14 December 2016)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Gabriele Aquilina, Paul Brantom, Noël Dierick and Maryline Kouba

- **Hearing Experts:<sup>1</sup>**

Not Applicable

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

Not Applicable

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable

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

The Chair welcomed the participants.

Apologies were received from Vasileios Bampidis.

#### **2. Adoption of agenda**

The agenda was adopted without modifications.

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Scientific topics for discussion**

- 4.1. The Working Group discussed the application on Amylofeed<sup>®</sup> (endo-1,3(4)-beta-glucanase, endo-1,4-beta-xylanase and alpha-amylase) for piglets and minor porcine species ([EFSA-Q-2014-00503](#)) and decided to inform the applicant on issues that required clarification.
- 4.2. The Working Group discussed the application on Endofeed<sup>®</sup> DC (endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase) chickens for fattening, laying hens, pigs for fattening, minor poultry species and minor porcine species ([EFSA-Q-2014-00504](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.

### **5. Any Other Business**

Not Applicable

### **6. Next meeting**

16 January 2017

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

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

### Minutes of the 115<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 21 November 2016, Tele-web meeting**

**(Agreed on 21 November 2016)**

#### **Participants**

- **Working Group Members:**

Gabriele Aquilina, Vasileios Bampidis, Noël Dierick and Maryline Kouba

- **Hearing Experts:<sup>1</sup>**

Not Applicable

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

Not Applicable

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable

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

The Chair welcomed the participants.

Apologies were received from Paul Brantom and Guido Rychen.

#### **2. Adoption of agenda**

The agenda was adopted without modifications.

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group discussed the application on HOSTAZYM<sup>®</sup> X (endo-1,4-beta-xylanase) for chickens reared for laying and minor poultry species reared for laying ([EFSA-Q-2015-00834](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 4.2. The Working Group discussed the application on Natuphos<sup>®</sup> (3-phytase) for piglets, pigs for fattening, sows for reproduction, chickens for fattening, chickens reared for laying and breeding, laying hens and breeding hens, ducks for fattening, ducks for breeding and laying, turkeys reared for breeding, turkeys for fattening, ornamental birds, minor avian species, all other poultry for laying and breeding (except ducks) ([EFSA-Q-2016-00376](#)) and decided to inform the applicant on issues that required clarification.
- 4.3. The Working Group discussed the application on PHYZYME<sup>®</sup> XP 5000 G, PHYZYME<sup>®</sup> XP 5000 L (6-phytase) for weaned piglets, pigs for fattening, sows for reproduction, chickens for fattening, laying hens, turkeys for fattening and ducks for fattening ([EFSA-Q-2016-00559](#)) and decided to inform the applicant on issues that required clarification.
- 4.4. The Working Group discussed the application on Bergazym P 100 (endo-1,4-beta xylanase) for chickens for fattening, piglets, pigs for fattening ([EFSA-Q-2014-00586](#)) and decided that further discussion is needed.

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

## **5. Any Other Business**

Not Applicable

## **6. Next meeting**

14 December 2016

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

### Minutes of the 114<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 6 October 2016, Tele-web meeting**

**(Agreed on 21 November 2016)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (chair), Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick, Maryline Kouba

- **Hearing Experts:<sup>1</sup>**

Not Applicable

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

Not Applicable

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable

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

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted without modifications.

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>



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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group discussed the application on Natuphos® (3-phytase) for piglets, pigs for fattening, sows for reproduction, chickens for fattening, chickens reared for laying and breeding, laying hens and breeding hens, ducks for fattening, ducks for breeding and laying, turkeys reared for breeding, turkeys for fattening, ornamental birds, minor avian species, all other poultry for laying and breeding (except ducks) ([EFSA-Q-2016-00376](#)) and decided that more discussion is needed.
- 4.2. The WG discussed the application on Fra Octazyme C Dry (alpha-galactosidase, alpha-amylase, endo-1,3(4)-beta-glucanase, endo-1,4-beta-glucanase, mannan-endo-1,4-beta-mannosidase, pectinase, protease, endo-1,4-beta-xylanase) for chickens for fattening and weaned piglets ([EFSA-Q-2014-00575](#)) and decided to inform the applicant on issues that required clarifications.
- 4.3. The WG discussed the application on Fermentation product of *Aspergillus oryzae* DSM 23104 (polygalacturonase) for chickens for fattening ([EFSA-Q-2016-00215](#)) and decided to inform the applicant on issues that required clarifications.

### 5. Any Other Business

Not Applicable

### 6. Next meeting

21 November 2016

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

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

### Minutes of the 113<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 3 October 2016, Tele-web meeting**

**(Agreed on 21 November 2016)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (chair), Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick, Maryline Kouba

- **Hearing Experts:<sup>1</sup>**

Not Applicable

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

Not Applicable

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable

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

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted without modifications.

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group discussed the application on Hemicell<sup>®</sup> HT (endo-1,4-beta-mannanase) for poultry (except layers), piglets and pigs for fattening ([EFSA-Q-2014-0115](#)) and decided to present it, modified accordingly, to the plenary meeting.
- 4.2. The following items were not discussed: Natuphos<sup>®</sup> (3-phytase) for pigs and poultry ([EFSA-Q-2016-00376](#)), Fra Octazyme C Dry (alpha-galactosidase, alpha-amylase, endo-1,3(4)-beta-glucanase, endo-1,4-beta-glucanase, mannan-endo-1,4-beta-mannosidase, pectinase, protease, endo-1,4-beta-xylanase) for chickens for fattening and weaned piglets ([EFSA-Q-2014-00575](#)) and Fermentation product of *Aspergillus oryzae* DSM 23104 (polygalacturonase) for chickens for fattening ([EFSA-Q-2016-00215](#)).

### 5. Any Other Business

Not Applicable

### 6. Next meeting

6 October 2016

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

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

### Minutes of the 112<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 6-7 September 2016, Parma**

**(Agreed on 6 September 2016)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (chair), Gabriele Aquilina, Vasileios Bampidis, Noël Dierick, Maryline Kouba

- **Hearing Experts:<sup>1</sup>**

Not Applicable

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

Not Applicable

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable

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

The Chair welcomed the participants.

Apologies were received from Paul Brantom.

#### **2. Adoption of agenda**

The agenda was adopted after removal of the following items: Hemicell HT (endo-1,4-beta-mannanase) for poultry (except layers), piglets and

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

pigs for fattening ([EFSA-Q-2014-00115](#)), Natuphos<sup>®</sup> E 5000; E 5000 L; E 10000 L; E 25000 L (6-phytase) for all pigs, all avian species ([EFSA-Q-2015-00054](#))

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The WG discussed the application on AXTRA Phy TPT (6-phytase) for poultry and pig species; ([EFSA-Q-2016-00075](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 4.2. The WG discussed the application on Optiphos (6-phytase) for all finfish ([EFSA-Q-2016-00291](#)) decided to inform the applicant on issues that required clarification.
- 4.3. The WG discussed the application on Fra Octazyme (alpha-galactosidase, alpha-amylase, endo-1,3(4)-beta-glucanase, endo-1,4-beta-glucanase, mannan-endo-1,4-beta-mannosidase, pectinase, protease, endo-1,4-beta-xylanase) for chickens for fattening and weaned piglets ([EFSA-Q-2014-00575](#)) decided that more discussion is needed.
- 4.4. The WG discussed the application on 3-phytase for chickens for fattening and laying hens ([EFSA-Q-2015-00482](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 4.5. The WG discussed the application on Fermentation product of *Aspergillus oryzae* (polygalacturonase) for chickens for fattening ([EFSA-Q-2016-00215](#)) decided that more discussion is needed.
- 4.6. The WG discussed the application on Feedlyve AXC (endo-1,4-beta-xylanase) for chickens for fattening ([EFSA-Q-2014-00228](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

- 4.7. The WG discussed the application on Feedlyve AGL (endo-1,4-beta-glucanase) for chickens for fattening ([EFSA-Q-2014-00229](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 4.8. The WG discussed the application on Natugrain TS (endo-1,4-beta-xylanase and endo-1,4-beta-glucanase) chickens reared for laying, minor avian species for laying ([EFSA-Q-2016-00302](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.

## **5. Any Other Business**

Not Applicable

## **6. Next meeting**

3 and 6 of October 2016

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

### Minutes of the 111<sup>th</sup> meeting of the Working Group on Enzymes

**Tele-web conference, 14 and 15 June 2016**

**(Agreed on 6 September 2016 )**

#### **Participants**

- **Working Group Members:**<sup>1</sup>

Guido Rychen (chair), Gabriele Aquilina, Vasileios Bampidis, Noël Dierick, Maryline Kouba

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

Not Applicable

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

Not Applicable

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable

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

The Chair welcomed the participants.

Apologies were received from Paul Brantom.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> Gabriele Aquilina and Vasileios Bampidis participated only on the first day.

<sup>2</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>3</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>4</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The WG discussed the application on Beltherm (endo-1,4-beta-xylanase) for chickens for fattening, chickens reared for laying, minor poultry species, turkeys for breeding purposes, turkeys reared for breeding, turkeys for fattening ([EFSA-Q-2016-00179](#)) and decided to inform the applicant on issues that required clarification.
- 4.2. The WG discussed the application on Belfeed B (endo-1,4-beta-xylanase) poultry weaned piglets and pigs for fattening ([EFSA-Q-2010-01298](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 4.3. The WG discussed the application on Ronozyme<sup>®</sup> WX (endo-1,4-beta-xylanase) for chickens for fattening, turkeys for fattening, all minor poultry species for fattening, piglets (weaned), pigs for fattening ([EFSA-Q-2014-00447](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.

### 5. Any Other Business

Not Applicable

### 6. Next meeting

6 and 7 September

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<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>4</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>



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

### Minutes of the 110<sup>th</sup> meeting of the Working Group on Enzymes

**Tele-web conference, 17 May 2016**

**(Agreed on 17 May 2016)**

#### **Participants**

- **Working Group Members:**

Gabriele Aquilina, Vasileios Bampidis, Noël Dierick and Maryline Kouba

- **Hearing Experts:<sup>1</sup>**

Not Applicable.

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

Not Applicable.

- **EFSA:**

FEED Unit: Montserrat Anguita

- **Others:**

Not Applicable.

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

The participants were welcomed.

Apologies were received from Guido Rychen and Paul Brantom.

#### **2. Adoption of agenda**

The agenda was adopted after deleting the item Hemicel<sup>®</sup> L (beta-mannanase) for turkeys for fattening (EFSA-Q-2016-00087) and adding the item Hemicel<sup>®</sup> L (beta-mannanase) for chickens for fattening or reared for laying and minor poultry species ([EFSA-Q-2016-00181](http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf))

<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts: <http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group discussed the application on Hemicel<sup>®</sup> L (beta-mannanase) for chickens for fattening or reared for laying and minor poultry species ([EFSA-Q-2016-00181](#)) and decided to to inform the applicant on issues that required clarification.
- 4.2. The Working Group discussed the application/continued the discussion on ROVABIO<sup>®</sup> SPIKY (endo-1,4-beta-xylanase and endo-1,3(4)-beta-glucanase) for all poultry species (major and minor) ([EFSA-Q-2015-00615](#)) and decided to present it, modified accordingly, to the plenary meeting.
- 4.3. The Working Group discussed the application on Enzymes as a silage additive ([EFSA-Q-2012-00411](#)) and decided to to inform the applicant on issues that required clarification.

### 5. Any Other Business

Not Applicable

### 6. Next meeting

14-15 June 2016

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

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

### Minutes of the 109<sup>th</sup> meeting of the Working Group on Enzymes

**Tele-web conference, 15 April 2016**

**(Agreed on 15 April 2016)**

#### **Participants**

- **Working Group Members:**

Vasileos Bampidis, Paul Brantom, Noël Dierick and Maryline Kouba

- **Hearing Experts:<sup>1</sup>**

Not Applicable.

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

Not Applicable.

- **EFSA:**

FEED Unit: Montserrat Anguita and Jaime Aguilera

- **Others:**

Not Applicable.

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

The Chair welcomed the participants.

Apologies were received from Guido Rychen and Gabriele Aquilina

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Scientific topics for discussion**

- 4.1. The Working Group discussed the application on Hemicel<sup>®</sup> L (beta-mannanase) for turkeys for fattening or reared for breeding ([EFSA-Q-2016-00087](#)) and decided to inform the applicant on issues that required clarification.
- 4.2. The following application was not discussed: Hemicel<sup>®</sup> L (beta-mannanase) for chickens for fattening or reared for laying and minor poultry species ([EFSA-Q-2016-00181](#)).

### **5. Any Other Business**

Not Applicable

### **6. Next meeting**

17 May 2016

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

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

### Minutes of the 108<sup>th</sup> meeting of the Working Group on Enzymes

**Tele-web conference, 23 March 2016**

**(Agreed on 23 March 2016)**

#### **Participants**

- **Working Group Members:**

Gabriele Aquilina, Vasileos Bampidis, Paul Brantom, Noël Dierick, Maryline Kouba and Guido Rychen (Chair)

- **Hearing Experts:<sup>1</sup>**

Not Applicable.

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

Not Applicable.

- **EFSA:**

FEED Unit: Jaime Aguilera and Montserrat Anguita

- **Others:**

Not Applicable.

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

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Agreement of the minutes of the 107<sup>th</sup> Working Group meeting held on 23 and 24 February 2016, Brussels**

The minutes of the of the 107<sup>th</sup> Working Group meeting held on 23-24 February 2016 were agreed.<sup>4</sup>

### **5. Scientific topics for discussion**

- 5.1. The Working Group discussed the application on Belfeed<sup>®</sup> B (endo-1,4-beta-xylanase) poultry weaned piglets and pigs for fattening ([EFSA-Q-2010-01298](#)) and decided to inform the applicant on issues that required clarification.
- 5.2. The Working Group discussed the application/continued the discussion on the application Aextra<sup>®</sup> Phy TPT2 (6-phytase) for poultry and pig species ([EFSA-Q-2016-00075](#)) and decided to inform the applicant on issues that required clarification.

### **6. Any Other Business**

Not Applicable

### **7. Next meeting**

15 April 2016

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>4</sup> <http://www.efsa.europa.eu/sites/default/files/FEEDAPEzymes2015-2018.pdf>

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

### Minutes of the 107<sup>th</sup> meeting of the Working Group on Enzymes

**Held on 23-24 February 2016, Brussels (Belgium)**

**(Agreed on 23 March 2016)**

#### **Participants**

- **Working Group Members:**

Gabriele Aquilina, Vasileos Bampidis,<sup>1</sup> Paul Brantom, Noël Dierick, Maryline Kouba and Guido Rychen (Chair)

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

Not Applicable.

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

Not Applicable.

- **EFSA:**

FEED Unit: Montserrat Anguita and Jaume Galobart

- **Others:**

Not Applicable.

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

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> Participated only the first day on tele-conference.

<sup>2</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>3</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>4</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group discussed the application on 3-phytase for chickens for fattening and laying hens ([EFSA-Q-2015-00482](#)) and decided to inform the applicant on issues that required clarification.
- 4.2. The Working Group discussed the application on Rovabio® Spiky (endo-1,4-beta-xylanase and endo-1,3(4)-beta-glucanase) for all poultry species (major and minor) ([EFSA-Q-2015-00615](#)) and decided to inform the applicant on issues that required clarification.
- 4.3. The Working Group discussed the application on Belfeed® B (endo-1,4-beta-xylanase) poultry weaned piglets and pigs for fattening ([EFSA-Q-2010-01298](#)) and decided that further discussion is needed.
- 4.4. The Working Group discussed the application on Hostazym® X (endo-1,4-beta-xylanase) for minor poultry species reared for laying and chickens reared for laying ([EFSA-Q-2015-00834](#)) and decided to inform the applicant on issues that required clarification.
- 4.5. The Working Group discussed the application on Natuphos® E 5000 G and 10000 G for pigs and avian species ([EFSA-Q-2015-00732](#)) and decided to inform the applicant on issues that required clarification.
- 4.6. The following items were not discussed: Enzy CarboPlus® (endo-1,4-beta-xylanase and endo-1,3(4)-beta-glucanase) for poultry and piglets ([EFSA-Q-2013-00528](#)) and Enzymes as a silage additive ([EFSA-Q-2012-00411](#)).

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>4</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>



## **5. Any Other Business**

Not applicable.

## **6. Next meeting**

23 March 2016.

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

### Minutes of the 106<sup>th</sup> meeting of the Working Group on Enzymes

**Tele-web conference, 11 January 2016**

**(Agreed on 11 January 2016)**

#### **Participants**

- **Working Group Members:**

Gabriele Aquilina, Vasileos Bampidis, Paul Brantom, Noël Dierick, Maryline Kouba and Guido Rychen (Chair)

- **Hearing Experts:<sup>1</sup>**

Not Applicable

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

Not Applicable

- **EFSA:**

FEED Unit: Montserrat Anguita and Jaime Aguilera

- **Others:**

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

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Agreement of the minutes of the 105<sup>th</sup> Working Group meeting held on 9 December 2015, Tele-web conference.**

The minutes of the of the 105<sup>th</sup> Working Group meeting held on 9 December 2015 were agreed.<sup>4</sup>

### **5. Scientific topics for discussion**

- 5.1. The Working Group continued the discussion on the application Ronozyme<sup>®</sup> NP (6-phytase) for pigs for fattening ([EFSA-Q-2014-00450](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 5.2. The Working Group continued the discussion on the application Ronozyme<sup>®</sup> HiPhos (6-phytase) for fish and sows ([EFSA-Q-2014-00289](#)) and decided to present the draft opinion, modified accordingly, to the plenary meeting.
- 5.3. The Working Group continued the discussion on the application Amylofeed (endo-1,3(4)-beta-glucanase, endo-1,4-beta-xylanase and alpha-amylase) for piglets and minor porcine species ([EFSA-Q-2014-00503](#)) and decided to inform the applicant on issues that required clarification.
- 5.4. The Working Group discussed the application on 3-phytase for chickens for fattening and laying hens ([EFSA-Q-2015-00482](#)) and decided that further discussion is needed.
- 5.5. The following item was not discussed: Rovabio Spiky (endo-1,4-beta-xylanase and endo-1,3(4)-beta-glucanase) for all poultry species (major and minor) ([EFSA-Q-2015-00615](#)).

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

<sup>4</sup> <http://www.efsa.europa.eu/sites/default/files/FEEDAPEnzymes2015-2018.pdf>

## **6. Any Other Business**

Not Applicable

## **7. Next meeting**

23-24 February 2016

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

### Minutes of the 105<sup>th</sup> meeting of the Working Group on Enzymes

**Tele-web conference, 9 December 2015**

**(Agreed on 11 January 2016)**

#### **Participants**

- **Working Group Members:**

Gabriele Aquilina, Vasileos Bampidis, Paul Brantom, Noël Dierick, Maryline Kouba and Guido Rychen (Chair)

- **Hearing Experts:<sup>1</sup>**

Not Applicable

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

Not Applicable

- **EFSA:**

FEED Unit: Jaime Aguilera and Montserrat Anguita

- **Others:**

Not Applicable

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

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. Fra Octazyme C Dry (alpha-galactosidase, alpha-amylase, endo-1,3(4)-beta-glucanase, endo-1,4-beta-glucanase, mannan-endo-1,4-beta-mannosidase, pectinase, protease, endo-1,4-beta-xylanase) for chickens for fattening and weaned piglets ([EFSA-Q-2014-00575](#)) and decided to inform the applicant on issues that required clarification.
- 4.2. Hemicell<sup>®</sup> HT (endo-1,4-beta-mannanase) for poultry (except layers), piglets and pigs for fattening ([EFSA-Q-2014-0115](#)) and decided to inform the applicant on issues that required clarification
- 4.3. Ronozyme<sup>®</sup> NP (6-phytase) for pigs for fattening ([EFSA-Q-2014-00450](#)) and decided that further discussion is needed.
- 4.4. Ronozyme<sup>®</sup> HiPhos (6-phytase) for fish and sows ([EFSA-Q-2014-00289](#)) and decided that further discussion is needed.

### 5. Any Other Business

Not Applicable

### 6. Next meeting

11 January 2016

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<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>

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

### Minutes of the 104<sup>th</sup> meeting of the Working Group on Enzymes

**Tele-web conference, 19 November 2015**

**(Agreed on 19 November 2015)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick.

- **Hearing Experts:<sup>1</sup>**

Not Applicable.

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

Not Applicable.

- **EFSA:**

FEED Unit: Jaime Aguilera and Montserrat Anguita

- **Others:**

Not Applicable.

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

The Chair welcomed the participants. Apologies were received from Maryline Kouba.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>2</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>3</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### 4. Scientific topics for discussion

- 4.1. The Working Group continued the discussion on Ronozyme<sup>®</sup> NP (6-phytase) for pigs for fattening ([EFSA-Q-2014-00450](#)) and decided that further discussion is needed.
- 4.2. The Working Group discussed the application on Natugrain<sup>®</sup> TS (endo-1,4-beta-xylanase and endo-1,4-beta-glucanase) for chickens for fattening ([EFSA-Q-2014-00291](#)) and decided to send it, modified accordingly, to the Plenary Meeting.
- 4.3. The Working Group discussed the application on Fra Octazyme C (alpha-galactosidase, alpha-amylase, endo-1,3(4)-beta-glucanase, endo-1,4-beta-glucanase, mannan-endo-1,4-beta-mannosidase, pectinase, protease, endo-1,4-beta-xylanase) for chickens for fattening and weaned piglets ([EFSA-Q-2014-00575](#)) and decided that further discussion is needed.

### 5. Any Other Business

Not Applicable

### 6. Next meeting

9 December 2015

<sup>2</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>



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

### Minutes of the 103<sup>rd</sup> meeting of the Working Group on Enzymes<sup>1</sup>

**Tele-web conference, 4 November 2015**

**(Agreed on 4 November 2015)**

#### **Participants**

- **Working Group Members:**

Guido Rychen (Chair), Gabriele Aquilina, Vasileios Bampidis, Paul Brantom, Noël Dierick, Maryline Kouba

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

Not Applicable.

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

Not Applicable.

- **EFSA:**

FEED Unit: Jaime Aguilera and Montserrat Anguita

- **Others:**

Not Applicable.

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

The Chair welcomed the participants.

#### **2. Adoption of agenda**

The agenda was adopted without changes.

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<sup>1</sup> Please refer to the Closed Working Group section for previous Working Group meeting minutes.

<sup>2</sup> As defined in Article 17 of the Decision of the Executive Director on the selection of external experts:  
<http://www.efsa.europa.eu/en/keydocs/docs/expertselection.pdf>

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

In accordance with EFSA's Policy on Independence and Scientific Decision-Making Processes<sup>3</sup> and the Decision of the Executive Director on Declarations of Interest,<sup>4</sup> EFSA screened the Annual Declaration of Interest and the Specific Declaration of Interest filled in by the working group members invited for the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process or at the Oral Declaration of Interest at the beginning of this meeting.

### **4. Agreement of the minutes of the 102<sup>nd</sup> Working Group meeting held on 29<sup>th</sup> and 30<sup>th</sup> of September 2015, Parma**

The minutes of the of the 102<sup>nd</sup> Working Group meeting held on 29<sup>th</sup> and 30<sup>th</sup> September 2015 were agreed.<sup>4</sup>

### **5. Scientific topics for discussion**

- 5.1 The Working Group continued the discussion on Endofeed<sup>®</sup> DC (endo-1,3(4)-beta-glucanase and endo-1,4-beta-xylanase) chickens for fattening, laying hens, pigs for fattening, minor poultry species and minor porcine species ([EFSA-Q-2014-00504](#)) and decided that further discussion is needed.
- 5.2 The Working Group discussed the application on enzymes as a silage additive ([EFSA-Q-2012-00411](#)) and decided that further discussion is needed.
- 5.3 The following items were not discussed: Ronozyme<sup>®</sup> NP (6-phytase) for pigs for fattening ([EFSA-Q-2014-00450](#)) and Natugrain<sup>®</sup> TS (endo-1,4-beta-xylanase and endo-1,4-beta-glucanase) for chickens for fattening ([EFSA-Q-2014-00291](#))

### **6. Any Other Business**

Not Applicable

### **7. Next meeting**

19 November 2015

<sup>3</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencepolicy.pdf>

<sup>4</sup> <http://www.efsa.europa.eu/en/keydocs/docs/independencerules2014.pdf>