

SCIENTIFIC PANEL ON FOOD ENZYMES (FEZ)

3rd FEZ Panel meeting



15-17 October 2024

14:00-17:30 / 09:00-17:00/ 09:00-13:00

MINUTES (Agreed on 17/10/2024)

Location: Parma/Teleconference

Attendees:

- FEZ Panel Members:
José Manuel Barat Baviera , Claudia Bolognesi, Francesco Catania, Gabriele Gadermaier, Ralf Greiner, Baltasar Mayo, Alicja Mortensen, Yrjö Roos, Marize De Lourdes Marzo Solano, Monika Sramkova, Hendrik van Loveren, Laurence Vernis, Holger Zorn (Chair)
- European Commission:
Catherine Evrevin
- Hearing Experts (item 6.11 under grant GP/EFSA/FIP/2022/01):
Agnieszka Podolska-Charlery, Ana Isabel Sancho Vega, Veronika Plichta, Sophie Granier
- EFSA:
Food Ingredients and Packaging (FIP) Unit: Jaime Aguilera, Magdalena Andryszkiewicz, Laura Cabo Sanmartin, Daniele Cavanna, Valeriu-Georghe Curtui, Ana Criado, Roos Anna de Nijs, Cristina Fernández-Fraguas, Ana Gomes, Natalia Kovalkovicova, Yi Liu, Simone Lunardi, Eleonora Marini, Jeroen Pasch, Silvia Peluso, Maria Chiara Sicuri.

1. Welcome and apologies for absence

The chair welcomed the participants.
No apologies were received.

2. Adoption of agenda

The agenda was adopted without changes.

3. Declarations of Interest of Panel members

In accordance with EFSA's Policy on Independence¹ and the Decision of the Executive Director on Competing Interest Management², EFSA screened the Annual Declarations of Interest filled out by the Panel members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

4. Agreement of the minutes of the 2nd FEZ Panel meeting held on 18-19 September 2024 via webconference

The minutes of the 2nd FEZ Panel meeting were agreed on 19 September 2024.

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

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



5. Report on written procedure

No written procedures to report.

6. Scientific outputs submitted for discussion and possible adoption

6.1 **Alpha amylase produced by *Bacillus amyloliquefaciens* (UN-01) ([EFSA-Q-2022-00599](#))**

The FEZ Panel discussed all parts of the draft opinion. The opinion was unanimously adopted, subject to the incorporation of editorial changes as suggested during the meeting.

6.2 **Glucoamylase from *Aspergillus niger* strain DP-Azh100 ([EFSA-Q-2023-00177](#))**

The FEZ Panel discussed all parts of the draft opinion. The opinion was unanimously adopted, subject to the incorporation of editorial changes as suggested during the meeting.

6.3 **Transglutaminase from *S. mobaraense* (S-8112) ([EFSA-Q-2015-00095](#))**

The FEZ Panel discussed all parts of the draft opinion. The opinion was unanimously adopted, subject to the incorporation of editorial changes as suggested during the meeting.

6.4 **Alpha-amylase from *B. amyloliquefaciens* AE-BAA ([EFSA-Q-2022-00574](#))**

The FEZ Panel discussed all parts of the draft opinion. The opinion was unanimously adopted, subject to the incorporation of editorial changes as suggested during the meeting.

6.5 **Extension of use of the food enzyme alpha-amylase from a non-genetically modified *Bacillus amyloliquefaciens* strain AE-BAA25520 ([EFSA-Q-2023-00306](#))**

The FEZ Panel discussed all parts of the draft opinion. The opinion was unanimously adopted, subject to the incorporation of editorial changes as suggested during the meeting.

6.6 **Endo-1,4- β -xylanase from a genetically modified *Aspergillus niger* strain XYL ([EFSA-Q-2023-00522](#))**

The FEZ Panel discussed the draft opinion and concluded that additional information is required in order to proceed with the safety assessment of this food enzyme. A request for additional information will be sent to the applicant.

6.7 **Polygalacturonase (pectinase) and β -glucosidase from a non-genetically modified *Aspergillus tubigensis* strain ARO ([EFSA-Q-2023-00657](#))**

The FEZ Panel discussed and finalised the draft scientific opinion. After amendments, the draft opinion will be presented at the next available FEZ plenary meeting for further discussion and possible adoption.

6.8 **Follow-up opinion linked to EFSA-Q-2015-00693 Endo-1,3(4)- β -glucanase from a non-genetically modified *Cellulosimicrobium funkei* strain AE-TN ([EFSA-Q-2024-00086](#))**

The FEZ Panel discussed the draft opinion and concluded that additional information is required in order to proceed with the safety assessment of this food enzyme. A request for additional information will be sent to the applicant.

6.9 **α -L-Arabinofuranosidase from *A. niger* (ARF) ([EFSA-Q-2014-00671](#))**

Not discussed due to the lack of time.

6.10 **Prolyl oligopeptidase from a genetically modified *Trichoderma reesei* strain DP-Nyq99 ([EFSA-Q-2023-00906](#))**

Not discussed due to the lack of time.

6.11 **Ribonuclease P from a non-genetically modified *Penicillium citrinum* strain AE-RPE ([EFSA-Q-2023-00877](#))**



The FEZ Panel discussed the draft opinion and concluded that additional information is required in order to proceed with the safety assessment of this food enzyme. A request for additional information will be sent to the applicant.

6.12 Follow-up opinion linked to EFSA-Q-2014-00114 - Leucyl aminopeptidase from a non-genetically modified *Aspergillus sp.* strain AE-MB ([EFSA-Q-2024-00210](#))

The involved experts discussed the draft opinion and concluded that additional information is required in order to proceed with the safety assessment of this food enzyme. A request for additional information will be sent to the applicant.

6.13 Extension of use of the food enzyme cyclomaltodextrin glucanotransferase from a non-genetically modified *Geobacillus stearothermophilus* strain AE-KCGT ([EFSA-Q-2023-00756](#))

The involved experts discussed the draft opinion and concluded that additional information is required in order to proceed with the safety assessment of this food enzyme. A request for additional information will be sent to the applicant.

6.14 Cyclomaltodextrin glucanotransferase from *Geobacillus stearothermophilus* (strain AE-KCGT) ([EFSA-Q-2016-00081](#))

The involved experts discussed the draft opinion and concluded that additional information is required in order to proceed with the safety assessment of this food enzyme. A request for additional information will be sent to the applicant.

6.15 Endo-1,4-beta-xylanase from a genetically modified *Trichoderma reesei* strain DP-Nzd72 ([EFSA-Q-2024-00085](#))

The involved experts discussed the draft opinion and concluded that additional information is required in order to proceed with the safety assessment of this food enzyme. A request for additional information will be sent to the applicant.

6.16 1,4-beta-xylanase from a genetically modified *Trichoderma reesei* strain DP-Nzd66 ([EFSA-Q-2023-00653](#))

The involved experts discussed the draft opinion and concluded that additional information is required in order to proceed with the safety assessment of this food enzyme. A request for additional information will be sent to the applicant.

6.17 Triacylglycerol lipase from a genetically modified *Komagatella phaffii* strain DSM34125 ([EFSA-Q-2024-00083](#))

The involved experts discussed the draft opinion and concluded that additional information is required in order to proceed with the safety assessment of this food enzyme. A request for additional information will be sent to the applicant.

6.18 Guidance on the characterisation of microorganisms in support of the risk assessment of products used in the food chain ([EFSA-Q-2024-00438](#))

The FEZ Panel discussed all parts of the draft guidance. The guidance was unanimously endorsed, subject to the incorporation of editorial changes as suggested during the meeting.

6.19 1,4- α -glucan 6- α -glucosyltransferase from a genetically modified *Trichoderma reesei* strain DP-Nzv57 ([EFSA-Q-2024-00066](#))

Not discussed due to the lack of time.

6.20 Alpha-amylase from a genetically modified *Bacillus licheniformis* strain DP-Dzb106 ([EFSA-Q-2024-00067](#))

Not discussed due to the lack of time.



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

7.1 Scientific Committee

Not applicable

7.2 European Commission

Not applicable

7.3 Updates from Panel Working Groups

Not applicable

7.4 Updates from EFSA

Not applicable

8. AoB

The Panel discussed the need of organising preparatory meetings before the November, December and January Plenary meetings.

The next FEZ Panel meeting will take place in Parma from 19 to 21 November 2024.

9. Preparatory meetings

9.1 Preparatory meeting on the 10th of October from 9.00 to 12.00

Location: Teleconference

Attendees:

- FEZ Panel Members:

José Manuel Barat Baviera, Ralf Greiner, Holger Zorn

- EFSA:

Food Ingredients and Packaging (FIP) Unit: Magdalena Andryszkiewicz, Daniele Cavanna, Roos Anna de Nijs, Cristina Fernández-Fraguas, Yi Liu, Jeroen Pasch, Maria Chiara Sicuri

Declarations of Interest:

In accordance with EFSA's Policy on Independence³ and the Decision of the Executive Director on Competing Interest Management⁴, EFSA screened the Annual Declarations of Interest filled out by the Panel members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

9.2 Preparatory meeting on the 10th of October from 15.00 to 17.00

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

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



Location: Teleconference

Attendees:

- FEZ Panel Members:
Francesco Catania, Baltasar Mayo, Laurence Vernis
- EFSA:
Food Ingredients and Packaging (FIP) Unit: Jaime Aguilera, Yi Liu, Simone Lunardi, Eleonora Marini, Jeroen Pasch, Maria Chiara Sicuri.

Declarations of Interest:

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

9.3 Preparatory meeting on the 14th of October from 9.00 to 12.00

Location: Teleconference

Attendees:

- FEZ Panel Members:
Claudia Bolognesi, Gabriele Gadermaier, Alicja Mortensen, Marize De Lourdes Marzo Solano, Monika Sramkova, Hendrik van Loveren
- EFSA:
Food Ingredients and Packaging (FIP) Unit: Ana Criado, Natalia Kovalkovicova.

Declarations of Interest:

In accordance with EFSA's Policy on Independence⁷ and the Decision of the Executive Director on Competing Interest Management⁸, EFSA screened the Annual Declarations of Interest filled out by the Panel members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

9.4 Preparatory meeting on the 14th of October from 14.30 to 16.30

Location: Teleconference

Attendees:

- FEZ Panel Members:
Gabriele Gadermaier, Hendrik van Loveren
- EFSA:
Food Ingredients and Packaging (FIP) Unit: Magdalena Andryszkiewicz, Cristina Fernàndez-Fraguas, Yi Liu, Silvia Peluso.

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

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

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

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



Declarations of Interest:

In accordance with EFSA's Policy on Independence⁹ and the Decision of the Executive Director on Competing Interest Management¹⁰, EFSA screened the Annual Declarations of Interest filled out by the Panel members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

9.5 Outcome

Different sections of a draft opinion were discussed in different preparatory meetings. The combined outcome is reported below.

9.5.1 Glucan 1,4- α -maltohydrolase from a genetically modified *Trichoderma reesei* strain DP-Nyn90 ([EFSA-Q-2024-00014](#))

The involved experts discussed the draft opinion and concluded that additional information is required in order to proceed with the safety assessment of this food enzyme. A request for additional information will be sent to the applicant.

9.5.2 Glucan 1,4- α -maltotetrahydrolase from a genetically modified *Bacillus licheniformis* strain DP-Dzf95 ([EFSA-Q-2024-00068](#))

The involved experts discussed the draft opinion and will continue the discussion in a future FEZ Plenary meeting.

9.5.3 Acylglycerol lipase from a genetically modified strain of *Penicillium camemberti* (strain AE-LGS) ([EFSA-Q-2015-00757](#))

The involved experts discussed the draft opinion and will continue the discussion in a future FEZ Plenary meeting.

9.5.4 6-phytase from a genetically modified *Trichoderma reesei* strain AR-766 ([EFSA-Q-2023-00525](#))

The involved experts discussed the draft opinion and concluded that additional information is required in order to proceed with the safety assessment of this food enzyme. A request for additional information will be sent to the applicant.

⁹ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/policy_independence.pdf

¹⁰ http://www.efsa.europa.eu/sites/default/files/corporate_publications/files/competing_interest_management_17.pdf