

SCIENTIFIC PANEL ON FOOD ENZYMES (FEZ)

17th FEZ Panel Plenary meeting



10-12 March 2026

14:00-18:00/09:00-17:00/ 09:00-13:00

MINUTES - Agreed on 12 March 2026

Location: Teleconference

Attendees:

○ Panel Members:

José Manuel Barat Baviera, Claudia Bolognesi, Francesco Catania, Gabriele Gadermaier, Ralf Greiner, Baltasar Mayo, Alicja Mortensen, Yrjö Roos, Hendrik van Loveren, Laurence Vernis, Holger Zorn (Chair)

○ Hearing Experts¹:

Eleonora Marini participated as ISA (Individual Scientific Advisor) contractor (ref. EOI/EFSA/2022/01 – CT 37 FIP)

○ European Commission and/or Member States representatives:

EC: Dimitra Papadimitriou

○ EFSA:

Food Ingredients and Packaging (FIP) Unit: Jaime Aguilera, Magdalena Andryszkiewicz, Daniele Cavanna, Ana Criado, Cristina Fernández-Fraguas, Ana Gomes, Natalia Kovalkovicova, Yi Liu, Simone Lunardi, Silvia Peluso, Valentina Tokić, Alessandro Manghi, Irene Bonino, Anna Ferrandis Rosell

1. Welcome and apologies for absence

The Chair welcomed the participants. Apologies were received from Marize De Lourdes Marzo Solano.

2. Adoption of agenda

The agenda was adopted without changes.

3. Declarations of Interest of Panel members

In accordance with EFSA's Policy on Independence² and the Decision of the Executive Director on Competing Interest Management³, EFSA screened the Annual Declarations of Interest filled out by the Panel members invited to the present meeting and the preparatory meetings listed under agenda item "Preparatory meeting/s with Risk Assessment". No conflicts of interest related to the issues discussed in these meetings have been identified during the screening process, and no interests were declared orally by the Panel Committee members at the beginning of these meetings.

4. Scientific output(s) submitted for discussion/adoption

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

² https://www.efsa.europa.eu/sites/default/files/corporate_publications/files/independence-policy-2024.pdf

³ https://www.efsa.europa.eu/sites/default/files/corporate_publications/files/decision-ed-on-competing-interest-management-2024.pdf



4.1 Leucyl aminopeptidase, Oryzin, and Aspergillopepsin I from *Aspergillus oryzae* AE-PR - data package Amano Enzyme Inc. ([EFSA-Q-2023-00220](#))

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.

4.2 Pectin esterase produced by a non-genetically strain of *Aspergillus luchuensis* - data package Solyve ([EFSA-Q-2023-00222](#))

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.

4.3 Pectinase produced by *Aspergillus niger* CCTCC 2023236 - data package Suntaq International Limited ([EFSA-Q-2023-00227](#))

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.

4.4 Pectinase from *Aspergillus Tubingensis* strain ARS R7-60 - data package Shin Nihon Chemical Co., Ltd. ([EFSA-Q-2023-00245](#))

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.

4.5 Pectinase From *Aspergillus luchuensis* Strain LC-07 - data package Shin Nihon Chemical Co., Ltd. ([EFSA-Q-2023-0266](#))

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.

4.6 Endo 1,4-beta-xylanase from a genetically modified *Trichoderma reesei* strain DP-Nzd66 as a new food enzyme ([EFSA-Q-2023-00653](#))

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.

4.7 Glucan 1,4-alpha-glucosidase from a genetically modified *Trichoderma reesei* strain DP-Nzh109 as a new food enzyme ([EFSA-Q-2025-00015](#))

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.

4.8 Cellulase and endo-1,3(4)-beta-glucanase from *Trichoderma reesei* 480KY - data package Kerry Ingredients & Flavours Ltd. ([EFSA-Q-2023-00263](#))

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.

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

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.

4.10 AMP deaminase from a genetically modified *Bacillus subtilis* strain CCTCC M 2023264 as a new food enzyme ([EFSA-Q-2024-00731](#))

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.

4.11 Extension of use of the food enzyme triacylglycerol lipase from a genetically modified *Aspergillus oryzae* strain NZYM-FL ([EFSA-Q-2025-00572](#))

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.

4.12 Extension of use of the food enzyme triacylglycerol lipase from a genetically modified *Aspergillus oryzae* strain NZYM- AL ([EFSA-Q-2025-00564](#))

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.



4.13 Extension of use of the food enzyme cellulase from a genetically modified *Trichoderma reesei* strain AR-852 ([EFSA-Q-2025-00447](#))

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.

4.14 Extension of use of the food enzyme containing bacillolysin and subtilisin activities from a non-genetically modified *Bacillus amyloliquefaciens* strain AR-383 ([EFSA-Q-2025-00372](#))

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.

4.15 Extension of use of the food enzyme subtilisin from a genetically modified *Bacillus licheniformis* strain NZYM-CB ([EFSA-Q-2025-00373](#))

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.

4.16 Extension of use of the food enzyme glucan 1,4- α -maltohydrolase from a genetically modified *Bacillus licheniformis* strain NZYM-SD ([EFSA-Q-2025-00570](#))

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.

5. Feedback from the Scientific Committee/ Scientific Panels/EFSA/ EC

5.1 Scientific Committee

Chair of the Panel updated participants on 129th Scientific Committee Plenary which was held in February 2026.

5.2 European Commission

Not applicable.

5.3 Scientific Panel(s) including their Working Groups

The chair of the WG on “phasing out 90-day tox studies in food enzymes” reported the progress made during the reviewing of the studies submitted in the food enzyme applications. A webinar will be held on 18 May 2026 to present the results to the interested stakeholders.

6. Any other business

- The FEZ Panel created a Working Group (WG) to deliver the self-task mandate (M2026-00004) for the development and implementation of an allergenicity pipeline for food enzyme dossiers. The panel member, Gabriele Gadermaier, was appointed as the Chair of this WG. She accepted the nomination. Membership of the WG, including experts and EFSA staff was communicated. The mandate will last 15 months, and the kick-off meeting is planned in April.
- The involved experts 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 for the following food enzyme dossiers:
 - Pectin lyase - data package Solyve ([EFSA-Q-2023-00020](#))



- Extension of use of the food enzyme invertase from a genetically modified *Trichoderma reesei* strain AR-996 ([EFSA-Q-2025-00303](#))
- Glucanase, xylanase and cellulase from *Rasamsonia emersonii* FBG - data package DSM ([EFSA-Q-2021-00646](#))
- Polygalacturonase and pectin lyase produced by *A. luchuensis* - data package Novozymes ([EFSA-Q-2022-00536](#))
- Alpha-amylase from a non-genetically modified *Bacillus amyloliquefaciens* strain LMG-S 32676 ([EFSA-Q-2025-00533](#))
- Glucoamylase from *Aspergillus niger* strain - data package DSM ([EFSA-Q-2023-00239](#))
- Pectinase from *Aspergillus tubingensis* Strain PX 22-272 - data package Shin Nihon Chemical Co., Ltd. ([EFSA-Q-2023-00270](#))
- Pectinase from *Aspergillus tubingensis* Strain SPG 10-1199 - data package Shin Nihon Chemical Co., Ltd. ([EFSA-Q-2023-00271](#))
- Leucyl aminopeptidase from a genetically modified *Aspergillus oryzae* strain NZYM-BU ([EFSA-Q-2025-00586](#))
- Subtilisin from *Bacillus sonorensis* AE-AP - data package Amano Enzyme Inc. ([EFSA-Q-2023-00215](#))
- Extension of use of the food enzyme chymotrypsin from a genetically modified *Bacillus licheniformis* strain NZYM-RH ([EFSA-Q-2025-00665](#))
- Extension of use of the food enzyme alpha-amylase from a genetically modified *Bacillus licheniformis* strain NZYM-AV ([EFSA-Q-2025-00688](#))
- Pectin lyase from a genetically modified *Aspergillus niger* strain CCTCC M 2023341 as a new food enzyme ([EFSA-Q-2024-00525](#))

7. Next meeting

The next meeting will be held on 14-15 April 2026, via teleconference.