

# **SPECIFIC PROTOCOL**

## **for the EU Proficiency Test for Pesticide Residues in Cereals/Feeding stuff using Multi Residue Methods, EUPT-CF16 (2022)**

(last updated: 10 March 2022)

### **Introduction**

This protocol is complementary to the [General Protocol for EU Proficiency Tests for Pesticide Residues in Food and Feed](#) (9th Edition). The current proficiency test covers pesticides that are determined by Multi Residue Methods. This EUPT is to be performed by all National Reference Laboratories for Cereals and/or Feeding stuffs (NRL-CFs) as well as by all official EU laboratories (OfLs) responsible for official pesticide residue controls on feeding stuff, as far as their scope overlaps with that of the EUPT-CF15.

### **Test Item (Test Material)**

This proficiency test concerns the analysis of pesticide residues in barley kernels. The barley was grown in Denmark and pesticides were applied in the field.

The Organiser, will check the Test Items for sufficient homogeneity and for stability at conditions reproducing sample shipment and storage during the duration of the test, according to ISO 13528, Annex B. All these tests will be conducted by the organiser, the EURL-CF which is (ISO 17025 accredited).

### **Analytical Parameters**

The Test Item contains several pesticides from the **Target Pesticides List**.

Laboratories must report their results as stated in the Target Pesticides List.

### **Amount of Test Item**

The participants will receive:

- approximately 100 g of barley kernels Test Item with incurred and spiked pesticides

Blank material will not be distributed to the participants.

### **Shipment of Test Items**

The Test Items are planned to be shipped on 28 March 2022.

Test Items will be shipped frozen and packed in thermo-boxes together with a freezer block. The organiser will aim to ensure that all participating laboratories will receive their shipments on the same day. Prior to shipment a reminder will be sent to the participating laboratories by e-mail.

Laboratories must make their own arrangements for the receipt of the package. They should inform the Organiser of any public holidays in their country/city during the week of the shipment, and must make the necessary arrangements to receive the shipment, even if the laboratory is closed.

### **Instructions on Test Item Handling**

Once received, the Test Items should be stored deep-frozen (at -18°C or below) before analysis to avoid any possible deterioration/spoilage and to minimize pesticide losses. The test Item should be milled before analysis. After milling, mix the flour thoroughly, before taking the analytical portion(s).

All participants should use their own routine standard operating procedures for milling, extraction, clean-up and analytical measurement and their own reference standards for identification and quantification purposes.

The homogeneity test is conducted using 5 g of milled Test Item in all cases. As sub-sampling variability increases with decreasing analytical portion size, sufficient homogeneity can only be guaranteed where participants employ sample portions that are equal to or larger than the ones stated above.

### **EUPT Webtool and Deadlines**

To select pesticide scope and report results and method information, the participants should log in to the **EUPT Webtool** using the username and password send by email. Please, save the credentials, as it will be valid for the EUPTs next year.

Selection/deselection of scope: The analytical scope must be selected prior to the shipment of the samples. This is done via the **EUPT Webtool**. The scope selection subpage will be open from 14 March to 28 March 2022. As default all mandatory pesticides are preselected.

Results and method submission: The **EUPT Webtool** will be accessible from 29 March 2022 for sample receipt acknowledgement and submission results and method information.

**The deadline for submission is 2 May 2022 at 23.00 CET.**

**IMPORTANT:** After the final submission it will NOT be possible to edit the results. Participants will receive an email confirming the submission of their results. Attached to the email will be an excel file with their submitted data.

Test Item Receipt and Acceptance: Once the laboratory has received the Test Items it must report to the organiser, via the **EUPT Webtool**, the date of receipt, and its acceptance. If the laboratory does not respond by 1 April 2022 at 12.00 CET, the Organiser will assume that the Test Items have been received and accepted.

If participants have not received the Test Items by **the 1 April 2022 at noon**, they must inform the Organiser immediately by e-mail to [eurl-cf@food.dtu.dk](mailto:eurl-cf@food.dtu.dk).

#### Reporting Quantitative Results:

Results should not be reported where a pesticide

- a) was not detected,
- b) was detected below the RL (Reporting Limit) of the laboratory, or

#### Significant Figures:

Residue levels <0.010 mg/kg;

- to be expressed by two significant figures (e.g. 0.0058 mg/kg).

Residue levels ≥ 0.010 mg/kg;

- to be expressed by three significant figures, e.g. 0.156, 1.64, 10.3 mg/kg.

Reporting Analytical method: The laboratory must report details of the analytical methods they used. If not it will not be possible to submit results.

#### Reporting of supplementary information in case of false negative results

In case of false negative results, the affected laboratories will be asked to provide details on the methodology used after the deadline for result submission. This has also to be done by accessing EUPT Webtool. Deadline for this is 11 May 2022.

### **Follow-up actions**

In accordance with Art. 32 1b of Regulation (EC) No 2017/625, underperformance of any NRL-CF in comparative testing will be followed by EURL-CF.

### **Documents**

All documents related to EUPT-CF16 can be found on EUPT-CF15 website.

[https://www.eurl-pesticides.eu/docs/public/tmpl\\_article.asp?LabID=400&CntID=1196&Theme\\_ID=1&Pdf=False&Lang=EN](https://www.eurl-pesticides.eu/docs/public/tmpl_article.asp?LabID=400&CntID=1196&Theme_ID=1&Pdf=False&Lang=EN)

## Calendar

| Activity  | Dates                       |
|---|-----------------------------|
| Announcement<br>Calendar<br>Target Pesticide List                                   | December 2021               |
| EUPT-Registration Website open  | December 2021               |
| Deadline for registration   | 28 February 2022            |
| Specific Protocol published   | 14 March 2022               |
| Website for selecting pesticide scope open  | 14 March 2022               |
| Website for selecting pesticide scope closed  | 28 March 2022               |
| Distribution of Test items  | 28 March 2022               |
| Deadline for receipt and acceptance of Test Materials                               | within 24 hr on receipt     |
| Deadline for Result Submission  | 2 May 2022<br>at 23.00 CET  |
| Deadline for submission of additional method information for false negative results | 11 May 2022<br>at 24.00 CET |
| Preliminary Report (only compilation of results) published                          | 11 July 2022                |
| Final Report published  | December 2022               |

## Participation Fees

For participating laboratories from the EU, EU-candidate states and EFTA states the participation fee will be:

- 200 €

The participation fees for laboratories from third countries will be:

- 350 €

For further information, visit [www.eurl-pesticides.eu](http://www.eurl-pesticides.eu).

## **Delays in Payment**

The participants will receive an invoice from DTU. The terms of payment are 30 days net. After this deadline reminders will be sent. From the second reminder onwards an administration fee of DKK 100.00 excluding VAT (ca. 13 €) will be charged per reminder.

If the participant ask DTU to issue a new invoice because additional/new information are needed on the invoice, or just want a copy of the original invoice, that may add additional cost due to the administrative workload.

Any questions concerning invoices must be directed to Anne Linda Bisp, [abi@adm.dtu.dk](mailto:abi@adm.dtu.dk) at the financial department of DTU.

## Contact information:

DTU Food  
National Food Institute

**Mette Erecius Poulsen**

Head of EURL Cereals and Feeding stuff

National Food Institute  
Technical University of Denmark  
Kemitorvet, Building 202  
DK-2800 Lyngby  
Phone: +45-3588-7463  
E-Mail: [eurl-cf@food.dtu.dk](mailto:eurl-cf@food.dtu.dk)  
<http://www.eurl-pesticides.eu>

**Organising Team:**

|                           |                                    |
|---------------------------|------------------------------------|
| Elena Hakme, Chemist      | EURL for Cereals and Feeding stuff |
| Ederina Ninga, Chemist    | EURL for Cereals and Feeding stuff |
| Ban M. Kadhum, Technician | EURL for Cereals and Feeding stuff |
| Susanne Pless, Technician | EURL for Cereals and Feeding stuff |

**Quality Control Group:**

|                      |                                    |
|----------------------|------------------------------------|
| Dr. Antonio Valverde | University of Almería, Spain       |
| Dr. Paula Medina     | European Food Safety Agency, Italy |

**Advisory Group**

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|--------------------------------|--|
| Prof. Amadeo R. Fernández-Alba | University of Almeria, Spain   |
| Dr. Carmen Ferrer Amate        | University of Almeria, Spain   |
| Dr. André de Kok               | Former Wageningen Food Safety Research, Wageningen, The Netherlands                  |
| Mr. Ralf Lippold               | Chemisches und Veterinäruntersuchungsamt (CVUA) Freiburg, Germany                    |
| Dr. Michelangelo Anastassiades | Chemisches und Veterinäruntersuchungsamt (CVUA) Stuttgart, Germany                   |
| Dr. Hermann Unterluggauer      | AGES Competence Center for Residues of Plant Protection Products, Innsbruck, Austria |
| Dr. Tuija Pihlström            | National Food Administration, Uppsala, Sweden  |
| Dr. Magnus Jezussek            | Bavarian Authority of Health and Food Safety, Erlangen, Germany                      |
| Mr. Finbarr o'Regan            | Pesticide Control Laboratory, Celbridge, Ireland                                     |
| Dr. Patrizia Pelosi            | Istituto Superiore di Sanità, Roma, Italy  |
| Dr. Hans Mol                   | Wageningen Food Safety Research, Wageningen, The Netherlands                         |
| Mr. Bjoern Hardenbusch         | Chemisches und Veterinäruntersuchungsamt (CVUA) Freiburg, Germany                    |
| Mr. Radim Stepan               | Czech Agriculture and Food Inspection Authority                                      |