

Dear participants,

Please find enclosed the material for the proficiency test (PT):

DLA ptMYS1 (2024) Mycotoxin-Screening: Aflatoxins, Ochratoxin A, Deoxynivalenol, Zearalenone and Fumonisin in Breakfast Cereals

There are **two different samples A and B** with the parameters **Aflatoxins, Ochratoxin A, Deoxynivalenol, Zearalenone** and **Fumonisin** to be determined. The matrix is breakfast cereals (ground, with corn and/ or other cereal products, almonds and dried fruits). One of these samples contains ingredients with a natural content of the respective mycotoxins.

You are registered for the participation with up to 5 parameters.

Note: Please store samples at 2 - 10°C on arrival!

Please note the attached information on the proficiency test.

New: Please enter your final results online in our PT customer portal my DLA | participant's portal. You will receive further information on this by e-mail, in particular about access to the portal.

Please submit your results the latest on June 07th 2024.

After the deadline no results can be accepted.

We are looking forward to any suggestions or questions! We wish you a successful performance of the proficiency test!

Kind regards,

Matthias Besler-Scharf & Alexandra Scharf

On behalf of the DLA-Team

Information on the Proficiency Test (PT)

PT number	ptMYS1 (2024)
PT name	Mycotoxin-Screening: Aflatoxins, Ochratoxin A, Deoxynivalenol, Zearalenone and Fumonisin in Breakfast Cereals
Sample matrix*	Samples A + B: Cereal muesli with fruits / Ingredients: Wholemeal oat flakes, cane sugar, glucose syrup, wheat flakes, spelled flakes, sunflower oil, puffed rice, rice extrudate, wholemeal oat flour, freeze-dried fruits, dried fruits, linseed, tigernuts, amaranth puffed, rice flour, dried carrot juice concentrate, strawberry extract, hazelnuts, vanilla, sea salt, vitamin B1 and other ingredients from corn, almonds, pistachios and plant powder and other ingredients from corn, almonds, pistachios and plant powder
Number of samples and sample amount	2 different samples A + B: 200 g each (2x100g each).
Storage	Samples A + B: cooled 2 - 10°C
Intentional use	Laboratory use only (quality control samples)
Parameter	Quantitative+ qualitative: Aflatoxins (< 50 µg/kg), Ochratoxin A (< 100 µg/kg), Deoxynivalenol (< 1500 µg/kg), Zearalenon (< 500 µg/kg) and Fumonisin (< 500 µg/kg)
Methods of analysis	Analytical methods are optional
Notes to analysis	The analysis of PT samples should be performed like a routine laboratory analysis. In general we recommend to homogenize a representative sample amount before analysis according to good laboratory practice, especially in case of low sample weights.
Result table	The final results for sample A and B should be filled in the result entry table. The specification of individual results from a double determination can be made additionally. The recovery rates, if carried out, has to be included in the calculation.
Units	µg/kg
Number of significant digits	at least 2
Further information	For information please specify: <ul style="list-style-type: none"> - Date of analysis - Final results (for samples A and B) - Limit of detection - Assignment incl. Recovery - Recovery with the same matrix - Method is accredited
Result submission	online via my DLA participant's portal (https://my.dla-pt.com) you will receive further information about the access by e-mail
Last Deadline	the latest <u>June 07th 2024</u>
Evaluation report	The evaluation report is expected to be completed 6 weeks after deadline of result submission and sent as PDF file by e-mail.
Coordinator and contact person of PT	Matthias Besler-Scharf PhD

* Control of mixture homogeneity and qualitative testings are carried out by DLA. Any testing of the content, homogeneity and stability of PT parameters is subcontracted by DLA.