



Norwegian study on PFAS in FCM

Inger-Lise Steffensen
Norwegian Institute of Public Health, Oslo

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- Project title: **Analyses of PFAS in food contact materials – 2024**
- The project period is 01.01.2024 – 31.12.2024
- The study is performed by the Norwegian Food Safety Authority (NFSA)
- The Technical University of Denmark (DTU) do the analyses of per- and polyfluoroalkyl substances (PFAS)

In total, 30 samples of FCM made of paper or board

Six product samples from each of the 5 following categories of FCM collected in Norway are included

- Drinking straws
- Forms for baking muffins
- Pizza boxes
- Paper FCM - such as used for popcorn to make directly in microwave ovens at home
- FCM of paper and board to be used for heating food directly in microwave or conventional ovens, such as plates or bowls, and possibly also cups and mugs, if they can be used in microwave ovens

The samples will be subjected to migration testing to food simulant

PFAS substances will be analysed by DTU

- The food simulants used are methanol and 50% ethanol
- The analyses are with a DTU FC430.3 accredited method for specific PFAS
- And by a high-resolution LC-orbitrap-MS method for suspect screening for other PFAS
- Samples with high PFAS content and identified by NFSA for possible follow-up actions will be migration tested in triplicate

Results

Unfortunately, no results of this study were available for presentation in time for this meeting

- The only results so far is that the samples that were analysed with the specific method with methanol extraction (which is the same as total extraction) had PFAS above limit of quantification (LOQ) in approximately 15 of the 30 samples
- These samples will also be analysed with migration conditions corresponding to 50% ethanol

Further work and reporting

- For PFAS substances without health-based guidance values (HBGV), the Norwegian Institute of Public Health (NIPH) will perform risk assessments, if needed
- The final report is expected to be finished before **March 2025**
- Maybe a link to the published report can be distributed to the network participants when available or the result can be presented at the next FIP network meeting in 2025

Thank you for
your attention!

Any questions?

