

Sampling Instruction: PFAS on surfaces

Sampling kit consisting of one 50 ml tube, four isopropanol (IPA) wipes and one pair of nitrile gloves



In order to monitor the presence of PFAS on surfaces Eurofins supplies a kit that can be used in such assessments. The procedure yields an analytical result in $\mu\text{g}/\text{kg}$. In our “white paper” ([link below](#)) it has been demonstrated that for flat stainless-steel surfaces and fire-fighting foam contamination recoveries between 80-90% for major PFAS can be achieved. For other materials and contaminations, the recovery should be regarded as less reliable. In these cases, the analysis should *primarily be seen as qualitative or relative between different sampling points*. If preferred the $\mu\text{g}/\text{kg}$ value can be converted to $\mu\text{g}/\text{sample}$ using the sample weight (3 wipes) and subsequently μg per surface area if the area is recorded.

Sampling instructions

1. Delimit the preferred area to test. Our tests suggest that the IPA in the wipes is sufficient for max 20x20 cm. Delimit the preferred area to test, preferably by framing. Make sure that the same area is wiped in the subsequent wiping.
2. Wearing the gloves, open one of the packs and take the wipe out (3x6 cm unfolded). Wipe the area to be tested carefully.
3. Put the used wipe in the 50 ml tube provided
4. Repeat 2-3 two times (i.e. 3 wipes in total). The fourth wipe is in spare
5. Only the 50 ml test tube with the wipes needs to be submitted, the rest of the sampling content can be discarded. The sample is preferably shipped chilled.

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Further information

- All three wipes will be analysed as a composite sample.
- If analysis of individual wipes is asked for, this is possible but more 50 ml tubes are needed (contact us in advance). An additional analytical cost per wipe will be charged
- A methanol (high grade) washed stainless pair of tweezers to hold the wipe can be used to assist sampling.
- For documentation, the size or dimensions of the area tested can be included in the sample name.
- If the nitrile gloves supplied do not fit, any other pair of PFAS-free nitrile gloves can be used.

Analytical packages

The wipes are analysed together as one sample (unless stated) using one of Eurofins packs for materials/products. Reporting of sample weight can be added free of charge.

Pack	Code	Comment
PFOS/PFOA	PLW9R	
PFAS 22	PLW8E	DK national ((EU) 2020/2184 (DWD) + 6:2 FTS + PFOSA)
PFAS 33	PLWB0	Experience and regulation based (REACH, POP)
PFAS screening	PLWD5	Screening pack 50+ compounds
Sample weight	LWX56	Weight of wipes (g)

Contact and Link

White paper (PFAS surface wiping): <https://www.eurofins.se/publications/>

For general support questions (handling, ordering, logistics, pricing, delivery time (TAT) etc) or selection of package, please contact your local Eurofins laboratory or sales representative.

Questions of a technical and/or analytical character may also be e-mailed to:
SE_PFAS_inquiry@FTN.eurofins.com