



## Analysis of Dioxins and PCBs

Trust is good, control is better

### Background

Due to high toxicity for the human body, their persistent properties and the ubiquitous dispersion on the whole globe Dioxins (PCDD/F) and polychlorinated biphenyls (PCBs) play an important role when it comes to abidance by environmental standards and the inspection of food safety.

Various scandals in the past decade demonstrated that despite an almost worldwide ban by Stockholm Convention an accumulation within the food chain or a contamination with other materials cannot be excluded. Recurringly these substances find their typical pathways into our food. Because of their lipophilic property they particularly concentrate in fatty tissues of animals. Yet plants and mineral products may contain alarming concentrations of dioxins and PCB, as well.

In order to keep the contamination of people and the environment as low as possible, there are various regulations within the European Union stating guidance and maximum levels. These do not just refer to food and feed, but either waste combustion, wastes in general,

soils, sewage sludges and waters. Furthermore there are regulations for chemicals to be placed on the market.

Eurofins is your competent partner for the analysis of these contaminants in almost every matrix and offers a quick, reliable service – no matter which product might be concerned, please contact us!

### Expertise

- 30 years of experience in the analytical field of Dioxins and PCBs
- Private, independent commercial laboratory
- Accreditation acc. to DIN EN ISO/IEC 17025:2005
- Analyses acc. to official EU guidelines and regulations, as well as industry norms (e.g. DIN EN 1948)
- Continual successful participation in independent interlaboratory comparisons (national / international)

## Setting standards

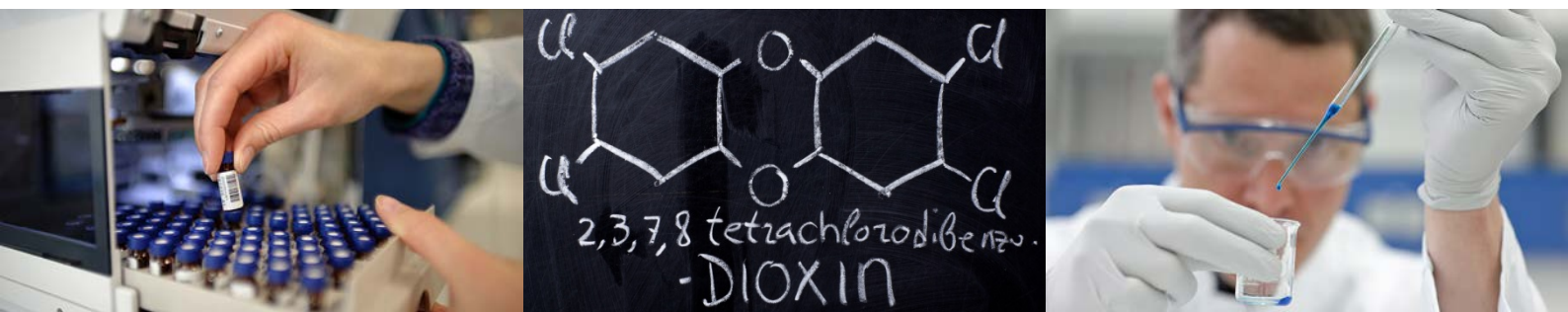
Eurofins has one of the worldwide few competence centers for dioxins that is able to analyze all 209 PCBs including the dioxin-like PCBs / WHO-PCBs and the DIN / Indicator and ndl-PCBs (non dioxin-like) as required by the California Proposition 65 in its own laboratory.

## Services

- State-of-the-art laboratory, particularly equipped for the requirements of Dioxins and PCBs analyses
- Short turn-around times
- Express services (e.g. 24 h)
- Enormous capacity (> 4000 samples/ month)
- Analysis of especially low background contaminations (e.g. for monitoring programs) by GC-HRMS
- Online tool for the tracking of samples and the permanent access to reported results

## Portfolio

- PCDD/F, dl-PCBs and ndl-PCBs in all common food products and feedstuff (confirmatory methods acc. to EU regulations)
- PCDD/F in air, exhaust, dust and ashes acc. to VDI 3499
- PCDD/F in immission and ambient air samples acc. to VDI 3498 and VDI 2090
- PCDD/F/ and PCBs in soils and sewage sludges acc. to German sewage sludge regulation (AbfKlärV)
- PCDD/F and PCBs in solids based on DIN 38414-S24 and DIN 38414-20 respectively
- PCBs 209 acc. to requirements of California Proposition 65
- PCDD/F, dl-PCBs and ndl-PCBs acc. to QS feed monitoring



17GASK03