

SGS LIFE SCIENCE
SERVICES

**INSTITUT
FRESENIUS**

**GLP RESIDUE ANALYSES
LIFE SCIENCE SERVICES**

SGS



GLP RESIDUE ANALYSES

Analytical chemistry is one of the most important fields of activity at SGS INSTITUT FRESENIUS. The continuous changes in instrumental analytics require consistent further development and optimisation of the analysis methods. SGS INSTITUT FRESENIUS is committed to this development. A team of experienced analytical chemists and specially trained laboratory staff are dedicated to residue-analytical issues with the help of „traditional“ or new analysis methods in many different matrices.

Residue projects for product development are processed in accordance with GLP principles. We have extensive experience in the development and establishment of specific methods for active agents in the area

Our range of services

Residue analyses with the latest methods and equipment, such as

- LC/MS/MS, GC/MSD, GC/MS/MS, GC-ECD, -NPD, -FPD
- HPLC, LC/MS, flow switching procedure, postcolumn derivatisation
- IC, AAS, ICP
- Purge and trap systems, ASE
- Immunoassay etc.



of pesticides, biocides, animal and human drugs and fertilisers.

SGS INSTITUT FRESENIUS has other teams of experts for analysis of environmental contamination (e.g. multi-methods for pesticide monitoring, mycotoxins, dioxins/furans, nitrosamines) who can be called upon as required.

Study types

- Method development and validation
- Independent laboratory validation
- Crop residues from supervised field trials

Determination of residues in all matrices such as plants, processing products, soil, water, air, animal matrices, body fluids, commodity goods

- Accompanying analytics, ecotoxicology
- Investigation of storage stability
- Determination of content
- 5-batch analyses
- Investigation of product equivalence
- Analysis of minor constituents and contaminants

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