

SEIBERSDORF
LABORATORIES



FREQUENTLY ASKED SOLUTIONS



CHEMICAL ANALYTICS



OUR TEAM

The well balanced configuration of our staff consisting of chemists, biologists, geo-chemists and physicists – nearly 50% of whom are university graduates with long time experience – ensures best quality and comprehensive consulting service in different areas.

Interdisciplinary co-operations with other groups of Seibersdorf Laboratories and our parent company AIT - Austrian Institute of Technology as there are Environmental Research, Information Technologies, etc. facilitate the solution of even very complex problems.

QUALITY

The ultimate goal for our work is quality. Our work is in compliance with international quality standards. GLP, an accreditation according to EN ISO/IEC 17025, a WADA accreditation, all audited by international inspectors as well as by national authorities and the certification according to EN ISO 9001 in the latest valid version ensure best quality service.

ENVIRONMENTAL- AND GEOANALYTICS

One of the expertises of the Chemical Analytics is the assay of environmental and geological samples, specially the identification and quantification of pollutants like heavy metals, etc. in many different sample types.

Our advantages are the excellent equipment of the laboratories and the high experience of the employees. Exact compliance of appointments, absolute confidence, high flexibility as well as extensive communication and consulting can be taken for granted.

TESTING OF ACTIVE INGREDIENTS

Our services include analysis for toxicological and ecotoxicological Studies, characterisation of chemicals incl. impurities and physical-chemical tests as well – also in the frame of registration for REACH.

In addition stability testing of biocides completes our activities in this field.

It is self-evident, that all tests are performed under strict GLP regulations and standards to ensure acceptance of the registration authorities. Comprehensive validation in the matrix concerned and professional reporting are standard in our laboratory.

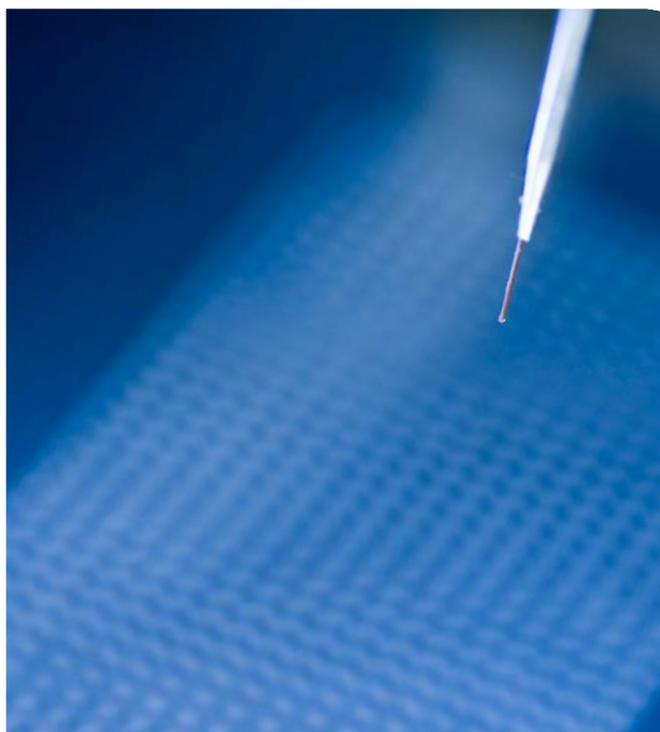
DOPING CONTROL AND FORENSIC ANALYSIS

A laboratory for the analysis of doping control samples was established as a joint initiative by the former Austrian Research Centers (now AIT), the Ministry of Sports, the Austrian Anti-Doping-Committee and the Austrian Olympic Committee between 1999 - 2001. Our doping control laboratory is a competent partner concerning out-of-competition and competitions controls and sports events for national and international customers. Our provided services range from doping analysis as defined by the WADA standards to analysis of blood samples.

In consequence with the extension of the doping control laboratory an EN ISO/IEC 17025 accredited drug analysis laboratory was established in the business unit Chemical Analytics.

RESEARCH

To ensure best quality services, research is self-evident. Our research laboratory offers a range of latest proteomics methods and technologies together with proteomics project consulting and management. Speaking about research, our attention is focussed on the usage of quantitative proteomics for biomarker discovery, the characterization and identity confirmation of recombinant protein pharmaceuticals and proteomic profiling and classification.



OUR RANGE OF SERVICES

Doping control and forensic analysis

- Doping analysis as defined by the WADA standards
- Analysis of forensic relevant samples
- Road traffic checks
- postmortem analyses
- blood-alcohol testing
- Court approved expert reporting
- Drug profiling in hair

Environmental- and Geoanalytics

- Sewage sludge, composte, waste and soil analysis
- Water quality analysis
- Food testing and plant analysis
- Rock and mineral analysis
- Immissions and alternative fuels analysis
- Material analysis

Testing of active ingredients

- Physico-chemical testing (e.g. for REACH), especially
 - Melting point
 - Boiling point
 - Relative density
 - Surface tension
 - Calculation of the vapour pressure
 - Water solubility
 - Partition coefficient
 - Flammability
 - Auto-ignition of liquids and solids
 - Oxidising properties
 - Dissociation constant
 - Hydrolysis
- Attendant analysis for toxicological and ecotoxicological studies in the field of inorganic and organic analysis, e.g.
 - Analysis for fish-, daphnia- and algae studies
 - Determination of the test item content in different animal diets
- Stability testing of biocides. Storage is possible under storage conditions (± 2 °C) in a temperature range of approx. 2 °C (refrigerator) and 20 °C to 60 °C.

EQUIPMENT

All our activities are supported by state-of-the-art instrumentation for inorganic and organic analysis, like ICP/AES, ICP/MS, AAS, GC/MS, GC/FID, LC/MS, HPLC/DAD, IC, potentiometry etc.

CONTACT

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