

Your tasks are our challenges

The advantages for you at a glance

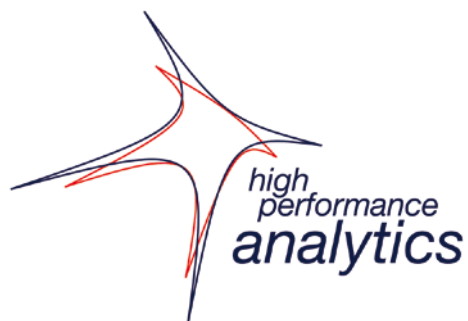
- We create value by solving your analytical problem and providing you with reliable data for your core businesses in research and production.
- You save time and resources.
- Our unparalleled integrated “Verbund” system of laboratories, know-how and methods makes it possible to answer even the most difficult analytical questions.
- Our extremely well-trained staff in combination with powerful modern technology guarantee outstanding results.
- On request we will develop for you special and fundamentally new, validated analytical methods.
- We offer guaranteed response times for the completion of routine orders.
- We will meet your desired deadlines. Please contact us.

Your contact

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Your partner of choice for analytical chemistry

BASF's Competence Center Analytics

We solve our clients' analytical problems with reliable quality, with strict adherence to deadlines, and on favorable terms.

We are the center of excellence for analytical chemistry services at BASF, the Chemical Company. We are your partner of choice for both routine analysis and the most complex analytical challenges. We assure this through our integrated "Verbund" of techniques, know-how and competencies developed and honed over decades based on our capable analysts and state of the art analytical instrumentation.

Automated water determination

Automated determination of heavy metals

Automated nuclear magnetic resonance spectroscopy (NMR)

Comprehensive GC

Analytical clean room



Our services cover more than 6,000 different analytical methods carried out in an interdisciplinary "Verbund" system of around 35 laboratories. This ensures that analytical problems are dealt with speedily and successfully. Our staff analyze more than 300,000 samples of all kinds every year.

With regard to our **Quality Management Systems** we are GLP-certified and have many years of experience working to GMP standards in quality control. Our accreditation under ISO 17025 testifies to our high level of competence in solving analytical problems. Furthermore, we meet the requirements of ISO 9001 and the specifications of the FDA with regard to electronic signatures and records.

Here are some examples drawn from our wide-ranging portfolio of applications:

- investigation of catalysts;
- structure elucidating of newly developed substances, e.g. for crop protection and pharmaceutical applications;
- determination of the composition of oils, surfactants, solvents, cleaning agents, polymers, glues, resins and lacquers;
- quality control of food and animal feed additives, cosmetics and pharmaceutical intermediates;
- determining the purity of chemicals for the electronics industry;
- handling of complaints;
- evaluation of thermoanalytical data.



Overview of our fields of activity

Elemental analysis: A complete service for determining the elemental composition of a sample is offered – from major components to ultratracés.

Chromatography: Gas and liquid chromatography allow the separation of mixtures of substances into their individual components, and their identification and quantification.

Determination of key characteristic values: Chemical and physical parameters, such as acid number, pH, residual ash and viscosity are characteristic values for qualifying products.

Spectroscopy: The most modern techniques of nuclear magnetic resonance spectroscopy, mass spectrometry and optical spectroscopy provide information for the quantification of components and for the rapid elucidation of structures, also in hyphenation with chromatographic methods.

Specialties:

- Laboratories for the qualitative and quantitative analysis of gases
- Analyzing enzyme activities in products for the feedstuff industry
- Control Laboratory for quality control of a wide variety of products from specialty and fine chemicals
- Laboratory for analyzing polymers and complex mixtures of substances
- Laboratory to support chemical process development, e.g. reaction calorimetry combined with online spectroscopic methods
- Computer-aided elucidation of structures of chemical compounds
- Conducting storage stability studies according to ICH guidelines