



**SPECTRAL
SERVICE**

^1H -NMR

^{13}C -NMR

^{19}F -NMR

^{31}P -NMR

Other nuclei

NMR Service

The leading original
we cover the complete NMR spectrum for you



R&D



**Food &
Cosmetics**



Life Science



**Pharma
industry**



Environment

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Spectral Service: Our Service & Equipment

You have analytical problems that

- Cannot be solved with your technical equipment?
- Do not fit in your standard analysis?
- Exceed your capacities?
- Require specialized know-how?

We provide

- ✓ NMR Solutions for your problem!
- ✓ NMR Specialists and know-how!
- ✓ Time for your problems!
- ✓ Wide experience in GxP!
- ✓ Technical equipment at highest standard!

**Our NMR analytical service is innovative and professional.
Spectral Service is an independent and dynamic company!**

Our Services comprise

- Quantitative NMR for routine quality and purity control of raw materials and finished products
- Structure elucidation by complete NMR spectrum (e.g. 1D-NMR, 2D-NMR)
- Analysis of pharmaceuticals under GMP, FDA approved (FEI No. 3008542737)
- Analysis under GLP
- Phospholipid and lipid analysis of e.g. soy, egg, milk, krill and marine lecithin
- Food and cosmetics analysis
- Method development and validation
- Certification of reference standards
- Proof and verification of adulterations
- 5-Batch Analysis for standardized testing and approval procedures
- Analytical support in R&D projects

Technical Equipment (Extract)

- NMR Spectrometer
 - BRUKER Avance NEO 600 MHz, TCI cryo-probe, tunable for all nuclei
 - BRUKER Avance III 600 MHz, BBO cryo-probe, tunable for all nuclei
 - BRUKER Avance III HD 500 MHz, BBO prodigy cryo-probe, tunable for all nuclei
 - BRUKER Avance III HD 500 MHz, BBFO^{PLUS} SmartProbe , tunable for all nuclei
- FT-IR spectrometer, HPLC, DSC, Karl-Fischer Titration
- Precision balances, ultramicro- and microbalances
- Freeze-drying, density meter, refractometer, melting point system

1D-NMR

HSQC

DOESY

NOESY

2D-NMR

Our Mission: A passion, not just a product

Have you already considered NMR spectroscopy
for your analytical problem?

Yes! – then contact us

No? Then contact us anyway



R&D

- Method development
- Method Transfer/Verification and Validation
- Current Research Projects
- Product-related analysis

Life Science

- Peptide analysis
- Analysis of high-molecular products
- Lipid nanoparticles (LNPs)
- Additional Analysis

Food & Cosmetics

- Phospholipids
- Oils & Fats
- Lecithins
- Aloe Vera
- Dietary Supplements

Pharma industry

- Pharmacopeial Methods
- Identification & Quantification
- Customized Analysis
- Characterization of reference materials
- Additional Analysis

Environment

- Pesticide Analysis under GLP
- Re-Engineering under GLP
- Customized Analysis

Structure elucidation

- All NMR active nuclei
- Small to large molecules
- 1D & 2D-NMR Experiments

¹H-NMR

¹³C-NMR

¹⁹F-NMR

³¹P-NMR

other nuclei

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**STEELYARD
ANALYTICS**



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Get in touch with us!

