



# Analytical Services

Analytical solutions for chemical, pharmaceutical, nutraceutical and cosmetic companies



Swiss excellence



a Boehringer Ingelheim Group company



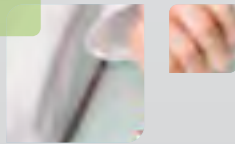
## Analytical services offer you


- State of the art laboratories
- Modern instrumentation, routine and specialized techniques in all your physical, chemical and microbiological testing needs
- Extensive know-how and flexible capacity to meet your expectations
- Significant experience in natural product chemistry



## Analytical services offer you

- From tailored to full-service analytic
- From single order to large projects
- From raw material and finished products to release analysis
- From routine analysis to stability programs
- Physical, chemical and microbiological analysis
- Development and validation of analytical methods





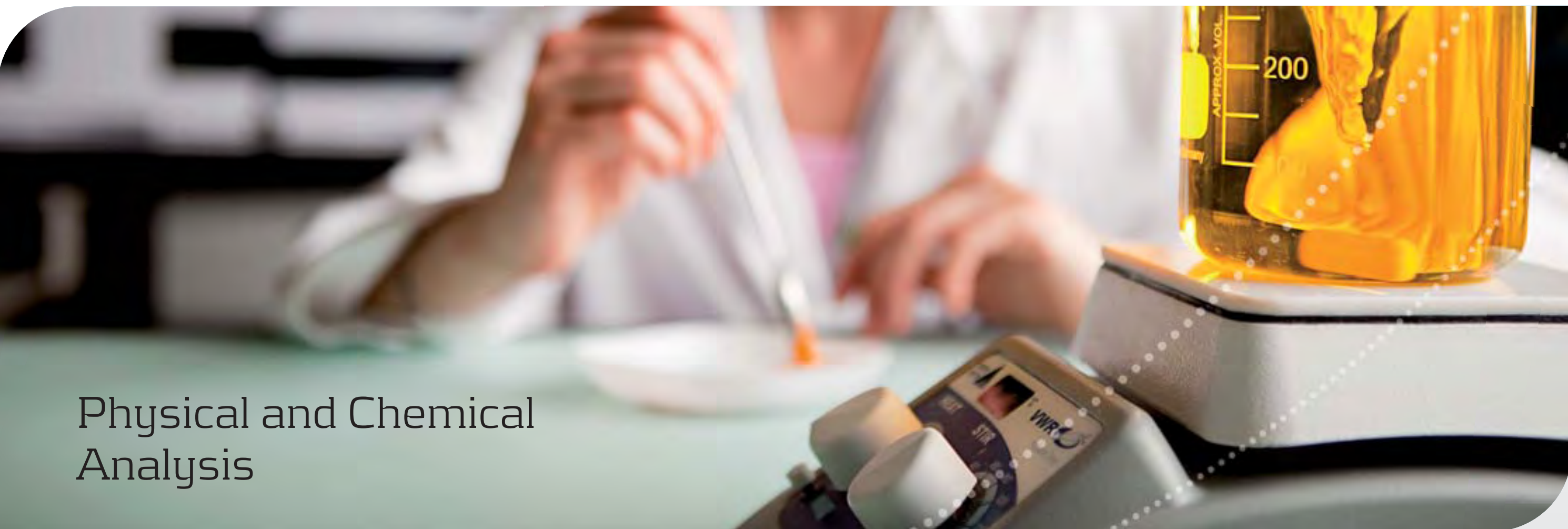
# Physical and Chemical Analysis



## Analytical Services

### Methods

- Common Methods of Pharmacopeias, Ph.Eur.,USP
- Residual solvents
- Heavy metals
- Dissolution testing
- Physical analysis
- Plant materials and extracts, vitamins and minerals analysis
- Identity, Assay and Purity
- Stability tests according to ICH Guidelines
- Container/Packaging testing
- Process validation and qualification
- Further testing upon request



## Physical and Chemical Analysis



### Analytical services

#### Main Equipments

- Atomic Absorption Spectrometry (AAS) and ICP
- Gas Chromatography with Flame ionization detector (FID)
- High Performance Liquid Chromatography (HPLC) equipped with different detectors:
  - UV
  - diode array (DAD)
  - refractive induction (RI)
  - fluorimeter (FL)
  - mass detection (MS)
- Spectrometry (UV, NIR, FT-IR)
- Polarimetry
- Dissolution and disintegration apparatus
- Total Organic Carbon (TOC)



# Microbiology



## Microbiological Services

### Methods

- According to European Pharmacopoeia
- Harmonised/combined methods
- Rapid microbiological analysis

### Tests

- Total aerobic microbial count
- Total yeasts and moulds combined count
- Microbiological quality of preparations
- Bacteria identification
- Suitability/validation of methods
- Efficacy of antimicrobial preservation
- Further testing upon request



## Expanding our horizon for you

We take note of our clients' needs and plan to meet them. At Ginsana IB there is always a new development in the pipeline to extend our service and production range.

We have been, and will continue to be, recognised as a leading manufacturing and services company within the pharmaceutical and nutraceutical industry.





### Key staff



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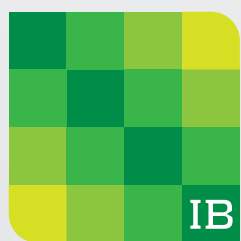
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## A partner who cares

Choosing Ginsana IB to transform your idea into reality means you can rest assured your project will be handled with the greatest diligence.

Our sound industry experience, flexibility and innovation, together with our Boehringer Ingelheim Group alliance, ensure the benefits of extensive know-how and proven solutions.



Industrial Business  
ginsana