

A decorative graphic on the left side of the page, consisting of three overlapping squares: a dark blue square at the bottom left, a teal square at the top left, and a yellow square at the bottom right. A thin vertical grey line passes through the center of the squares.

The Company

2003

LOBA Feinchemie AG
Fehrgasse 7, 2401 Fischamend, Austria

Tel.: +43-2232-77391-0
Fax: +43-2232-76677
Email: sales@loba.co.at
Internet: www.loba.co.at



Your partner for organic synthesis

LOBA, an independent Austrian company, is located in Fischamend, 5 minutes from Vienna International Airport.

One third of the about 60 employees hold degrees in chemistry or are trained chemical scientists.

The product range covers 500 organic compounds available from kilo to small ton quantities.

More than 80% of our products are exported worldwide. The world's largest pharmaceutical and diagnostic companies are our business partners all over the world.





Your success is our focus

UPSCALING

We take your synthetic process from the laboratory to production scale

QUANTITIES

1 kg up to 5 MT - we offer an ideal range for small quantity requirements

CUSTOM MANUFACTURING

We make your product exclusively for you

cGMP

Full traceability and documentation which guarantees manufacturing of your API according to cGMP standards

DRUG MASTER FILES

We have the expertise and capability to establish the Drug Master File for your Active Pharmaceutical Ingredient

Quality Policy

"Highly specific reagents, sophisticated fine chemicals and APIs require dedication to utmost quality, expertise and responsibility. Our integrated management system reflects this philosophy and ensures full compliance with ISO 9000 Quality management, cGMP requirements and the commitment to health, safety and environment according to the Responsible Care program."

Quality assurance system certified to **ISO 9000**



Development and Production according to **cGMP**;
LOBA is regularly inspected by the **FDA**,
the **Austrian Ministry of health** and
other accredited institutions



Responsible Care certified



Dr. Wolfgang Meindl
Managing Director



Special Organic Intermediates,
New Compounds,
Multiple Step Synthesis

Highly Sensitive Analytical
Reagents and Diagnostics

Process Development and
Custom Synthesis,
Laboratory to
Large Plant Scale

Supply of Active
Pharmaceutical Ingredients
(cGMP)

Products

- Pyridine, quinoline and isoquinoline derivatives
- Various other heterocycles (i.e. indoles, triazoles, furanes, benzoxazoles, benzimidazoles, etc.)
- Chiral compounds i.e. amino alcohols and special amino acid derivatives
- Aromatic nitro-, amino- and hydrazino compounds
- Carboxylic and sulfonic acid derivatives
- Aldehydes and ketones and according derivatives

For applications in the chemical field:

- Reagents for environmental analysis
- Complexometric reagents
- pH-Indicators
- Reagents for amino acid and peptide analysis and synthesis

For applications in the biochemical field:

- Enzyme substrates
- Tetrazolium salts

Typical routine operations

Derivatisation:

- Nitration and sulfonation
- Bromination, chlorination and iodination
- Alkylation and acylation
- Organo lithium and Grignard chemistry

Transformation of functional groups:

- Oxidation and reduction including complex hydride
- Diazotisation and Sandmeyer reaction
- Esterification and saponification

Isolation:

- Distillation and controlled crystallisation
- salt formation (i.e. hydrochlorides, sodium salts etc.)

Synthesis of Heterocycles:

- Cyclocondensation

cGMP Manufacturing

- Procedures according to current cGMP guidelines
- Validation programs for development, upscale and quality control
- Stability testing of final product
- Raw material approval and documentation of all activities
- Regulatory affairs, Drug Master File

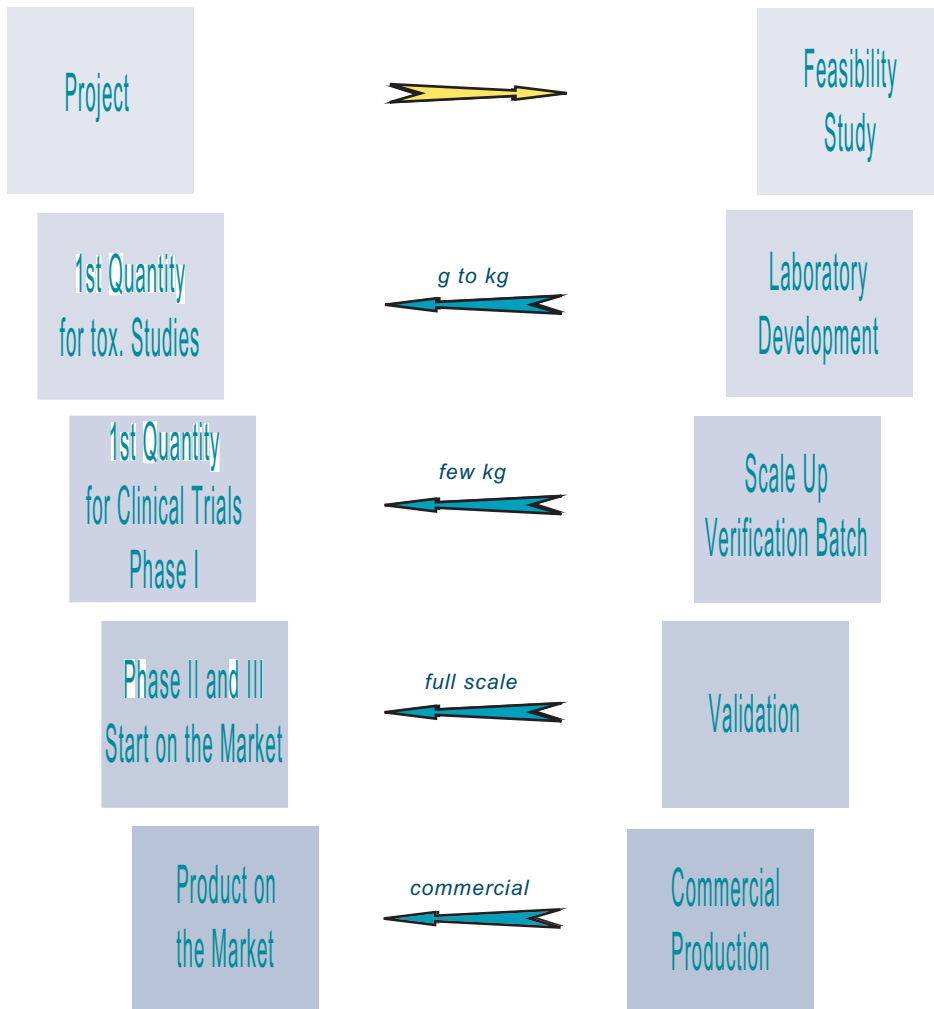
Process Development and Manufacturing under cGMP



From your project ...

CUSTOMER

LOBA



... to your API



Supply of Active Pharmaceutical Ingredients produced in accordance to cGMP and Q7A guidelines



Equipment List

Reaction Vessels

250 l Glass Lined incl. fractionating column	- 15°C to 180°C
400 l Glass Lined	- 15°C to 180°C
500 l Stainless Steel	- 15°C to 180°C
1200 l Glass Lined	- 15°C to 180°C
1600 l Glass Lined	- 15°C to 180°C
1600 l Glass Lined (February 2003)	- 15°C to 180°C
2500 l Glass Lined (February 2003)	- 15°C to 180°C
3000 l Glass Lined	- 15°C to 180°C

Centrifuges

3 Halar Coated
1 Stainless Steel 900mm (Alloy 59)

Miscellaneous

Vacuum Drying
Milling
Blending
Filterstations

Reaction Vessels

50 l Glass Lined	- 15°C to 180°C
100 l Glass Lined	- 15°C to 180°C
200 l Glass Lined	- 15°C to 200°C
300 l Glass Lined	- 15°C to 180°C
500 l Glass Lined (x 2)	- 15°C to 150°C

Centrifuges

2 Halar Coated
1 Stainless Steel 800mm

Miscellaneous

4 Drying Ovens
4 Vacuum Drying
Milling
Blending
Filterstations



45 Years of LOBA History



- 1957 Founded as producer of spot test reagents by Dr. Paul Löw-Beer
- 1960 - 1989 Development of approx. 400 intermediates and chemicals for organic synthesis and analytical and biochemical application
- 12/1989 LOBA Feinchemie AG becomes part of MTM Research Chemicals
- 11/1992 The Managing Director Dr. Wolfgang Meindl, takes over the majority of the shares
LOBA becomes an independent Austrian company again
- 12/1993 Certification of Quality Assurance System according to ISO 9001
- 1994 Austrian Ministry of Health and FDA approve GMP production unit
- 11/1998 Responsible Care Audit proves LOBA's full compliance with highest environmental and safety standards
- 3/1999 LOBA passes 2nd FDA Audit showing highest quality standards once again
- 2002 Construction of a new Finishing Area and cGMP production unit

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