

APV basics: Practical training tableting

4th to 5th November 2008
Brussels, Belgium
Course No. 6198

Pharmaceutical
technology

Liquid
dosage-
forms

Solid
dosage
forms

Pack-
aging

APV
basics

- Properties and characterisation of tablets
- Basic knowledge of the compaction process
- Excipients and formulation strategies
- Practical work with rotary tablet presses

*In cooperation with GEA Courtoy nv – a company of
GEA Pharma Systems*

GEA

Arbeitsgemeinschaft für Pharmazeutische
Verfahrenstechnik e.V.
Gemeinnütziger wissenschaftlicher Verein
International Association for
Pharmaceutical Technology
Kurfürstenstraße 59
55118 Mainz / Germany
Phone: ++49/6131/9769-0
Fax: ++49/6131/9769-69
e-mail: apv@apv-mainz.de
<http://www.apv-mainz.de>

Target Group

Technical and academic staff from
development, production and quality
control units.

Making
Science
Work

APV basics: Practical training tableting

A seminar organised by the APV focus group

Solid dosage forms

Objectives

The practical training is dedicated to imparting a sound knowledge of the tableting process to the participants, both in theory and in practice. The first part of the course is given over to lectures, given by well-known specialists and provides the mandatory knowledge needed to understand the tableting process. Topics such as tablet properties, tablet characteristics, compaction processes, technical aspects of tablet presses, excipients and formulation strategies will be addressed. During the second part of the course, the participants get the chance to work in small groups on state-of-the-art rotary tablet presses, under the supervision of experienced operators. Each participant will be able to take part actively in the making of tablets and by the end of the course will have acquired the basic knowledge necessary for solving tableting problems.

Please note, that due to competitive reasons individual participants may be excluded from the practical training at Courtoy nv.

Programme

Tuesday, 4th November 2008

10:00-19:00

Wednesday, 5th November 2008

08:00-16:00

Welcome and introduction

Martin Bornhöft, PhD
APV e. V., Mainz, Germany
Rob Lammens, PhD
Technical Services Consult
Lammens, Leverkusen, Germany
Jan Vogeleer
GEA Courtoy nv, Halle, Belgium

Introductory lesson: Tablets

- types of tablets with relation to dissolution and application site
- shapes of tablets with relation to functionality and marketing aspects
- basics of compaction theory
- analytical characterisation of tablets

Prof. Annette Bauer-Brandl, PhD
University of Tromsø, Tromsø, Norway

Introduction to Courtoy tablet presses

- mechanics
 - control loops
 - compression modes
- Jurgen Boeckx
GEA Courtoy nv, Halle, Belgium

Mechanical aspects of tablet presses and their implications on the compaction process

- Part I: Basic knowledge
 - Part II: Detailed aspects
- Rob Lammens, PhD

Excipients and formulation strategies

Kai Lindenstruth, PhD
F. Hoffmann-La Roche AG, Basle, Switzerland

Types of tablet presses and their applications

- Single punch tablet machines
 - Rotary tablet presses
 - Compression simulators
 - Measurement instrumentation of tablet machines
 - PAT
- Rob Lammens, PhD

Practical training in the lab section of GEA Courtoy nv in Halle

Practicum 1: Reducing variability in tablet characteristics: "Equal thickness" compression versus "equal force" compression (Modul P)

"equal force" compression (Modul P)

Practicum 2: Maximum Process Control: On-line monitoring of weight variability & Dual Weight/hardness Control (Modul S)

Weight/hardness Control (Modul S)

Practicum 3: Bi-layer tablet production: individual layer weight control, optimal layer bonding, avoidance of cross-contamination? (Modul D)

Practicum 4: Tour of GEA Courtoy's novelties

Exchangeable Compresison module
WOL-ECM: High-containment and automated washing
VISWILL Automated Video Inspection Systems for tablets

Organisation

Date

Course No. 6198
from 4th November 2008 10:00
to 5th November 2008 16:00

Location

Novotel Brussels Centre Tour Noire
Rue de la Vierge Noire 32
1000 Brussels, Belgium

Registration fee

APV member 990 EUR
Non-member 1120 EUR
(free of VAT according § 4,22 UStG)

Coffee breaks, lunches, dinner and participants documents included.

Bank details

Dresdner Bank AG Mainz
Konto Nr. 2 325 159 00
BLZ 550 800 65

Postbank Frankfurt/M.
Konto Nr. 127 35-606
BLZ 500 100 60

Registration

APV-Geschäftsstelle
Kurfürstenstraße 59
55118 Mainz / Germany
Phone: ++49/6131/9769-0
Fax: ++49/6131/9769-69
e-mail: apv@apv-mainz.de

You will receive confirmation of your registration with the invoice.

Members of authorities pay half of the APV member's and non-member's registration fee respectively.

Hotel reservation

Novotel Brussels Centre Tour Noire
Rue de la Vierge Noire 32
1000 Brussels, Belgium
Phone: ++32/2/5055-050
Fax: ++32/2/5055-000

Participants should make their own hotel reservation for the APV seminar.

Special rate: Single room incl. breakfast buffet EUR 165,00 per night.

Mainz, September 2008