



Development and Manufacture of Effervescent Tablets

30 November 2011

The Window Conference Venue, London UK

Course objectives

All PharmaTraining courses focus on two key objectives. These are to provide attendees with knowledge—information, which will assist you in making better judgements—and skills, which will allow you to **apply** the knowledge you have received. We guarantee to engage your interest and commitment on the course, and we expect our training to improve your effectiveness.

About this course

Effervescent products present particular problems in manufacture, which result from their special requirements and particular utility. In this one day workshop led by two leading experts, the issues surrounding the development and manufacture of effervescent products are explored in depth including practical sessions.

Background

- What are the advantages and disadvantages of effervescent tablets?
- What are their particular requirements?
- Why do they present problems?

Course Speakers

Dr Michael Gamlen is Managing Director of Pharmaceutical Development Services Ltd, a pharmaceutical consultancy based in Nottingham (UK). Dr Gamlen has over 30 years experience of tablet development. Awarded a First Class Honours degree in Pharmacy, specialising in Pharmaceutical Engineering, he studied for a PhD at Nottingham University. He was Head of Tablet Development at the The Wellcome Foundation for 15 years, and worked as an outsourcing manager before starting his consultancy business in 2000.

Dr Gamlen specialises in managing product development, formulation, tablet and process development studies. He has been teaching professional tableting courses for many years and his courses are highly rated, exceeding the expectation of the participants in many cases.

Michael continually updates the content of his courses with the latest guidance and extracts of up-to-the minute scientific papers. He provides a substantial body of relevant literature to all course participants as well as copies of all notes and guidance used and a workbook. He is a popular and highly respected presenter.

Paul Butler is an extremely experienced trainer, tablet manufacturing expert and consultant. During the past 20 years, he has been involved as a senior consultant for many projects in the pharmaceutical industry throughout the UK, Ireland, Europe, Africa, the Middle and Far East, and Australia.

He has been advising and training people in a broad range of manufacturing areas for many years. He focuses on providing small groups of interested people with

PharmaTraining

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Who should attend

The course is designed for people working in formulation, process development or manufacturing with responsibility for the development, validation and manufacture of effervescent products. The content will complement that of the Tablet Formulation and Tablet Process Development courses which immediately precede it.

Course Programme

Try it!! The workshop...

Using a laboratory tablet machine and some simple equipment, we experiment with effervescence and develop some simple products.

Theory

- Effervescence systems. What are they and how to they achieve their objectives
- Uniformity – achieving and assessing uniformity in effervescent systems.
- Taste and taste masking
- ODTs
- Specific problems with effervescent products—mixing, lubrication, compression.

Practice. Effervescent products in Production.

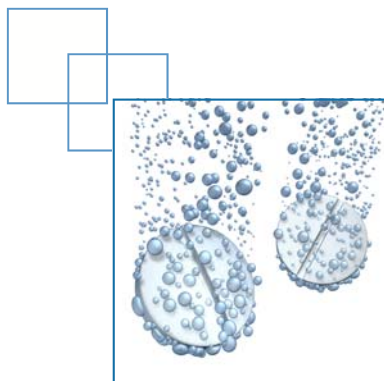
- Engineering requirements for effervescent products
- Process Validation—challenges and pitfalls
- Scale up and Technology Transfer—mixing issues
- Routine manufacture

Bring your problems—don't leave them at work!

There will be plenty of opportunity to discuss specific problems, in confidence if required.

Additional Resources

Online access to comprehensive publications including all relevant guidance will be provided as well as colour copies of all presentations and case studies.



Venue

Window Conference Venue 13 Windsor Street, Islington London, N1 8QG
convenient for central London, in a pleasant informal setting.

Course fee includes all course materials, refreshments, lunch and course dinner or social activity, accommodation is not included.

Accommodation and travel directions are available on our website
www.pharma-training-courses.com



COURSE PROGRAMME 2011

Planning for Commercial Launch: 29 & 30 March 2011
GMP Auditor Training: New Jersey USA - 11 & 12 April 2011
London - 9 & 10 May, 7 & 8 November 2011
How to Audit API Manufacturers: New Jersey USA - 13 April 2011
London - 11 May, 9 November 2011
Supply Chain Management in Pharma/Biotech: 5 & 6 May 2011
Technology Transfer: London - 9 & 10 May, 7 & 8 November 2011
Integrated Tablet Formulation Development: New Jersey USA - 7 & 8 April
London - 9 & 10 June, 24 & 25 November 2011
Tablet Process Development, Validation and the application of QbD:
New Jersey USA - 11 & 12 April, London - 13 & 14 June, 28 & 29 November
Pharmacokinetics in Drug Development - an Integrated Approach:
9 & 10 June 2011
An Introduction to LC/MS: 19 September 2011
Quantitative Analysis: 20 & 21 September 2011
Writing effective SOPs in a GMP Environment: 13 & 14 October 2011
OOS investigations in a GMP Environment: 18 & 19 October 2011
Stability Testing in Pharmaceutical Development: 16 & 17 May 2011,
12 & 13 December 2011
Introduction to Photostability: 14 December 2011
Pharmaceutical Packaging - an introductory course: 14 December 2011
HPLC Analytical Method Development and Validation: 22 & 23 November
Oral Solid Dosage Manufacturing Technology: 28 November 2011
Hands-on Tableting: to be advised

We deliver a range of expert programmes in pharmaceutical development, quality assurance and regulatory topics, plus a range of industry awareness courses. We employ speakers/trainers with a high degree of expertise, completely up to date with industry trends. *Please check our website for other courses added throughout the year.*

For 5 or more staff requiring training it may be beneficial to run a course in-house.

The benefits of running a course in-house:

- Up to 70% savings on delegate fees
- Save on travel or accommodation costs
- Customised content to meet your requirements
- Big print savings on course material - especially with larger groups
- Courses arranged for large groups up to 24 staff
- Tutorials available for small groups of 2 or 3 staff
- Meet course speakers in advance to discuss design and content

Contact **Judy Callanan** at any time to discuss
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REGISTRATION FORM

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Development and manufacture of effervescent tablets: 30 November 2011

1 day course £610.00 (+ VAT £122.00 if applicable, see notes on VAT)

Development and manufacture of effervescent tablets: 30 November 2011

1 day course £549.00 (+ VAT £109.80 if applicable, see notes on VAT)

if booked and paid by 4 October 2011

If also booking Tablet Process Development, Validation and the application of QbD:

3 day course - **at the reduced rate of** £1611.00 + VAT £322.20 if applicable, see notes on VAT

Discount of 10% applies for booking 8 weeks in advance

Discount of 10% applies for booking more than 1 delegate

Discount of 10% applies for booking more than 1 course

Maximum discount received is 15%

UK: Under UK law all UK-based applications are subject to VAT at the prevailing rate however most UK VAT registered companies/organisations can reclaim this tax.

EU: With effect from 1 January 2011 applications from delegates whose companies are based in EU countries will not be subject to VAT **PROVIDED THAT** valid VAT ID details are provided at the time of booking, otherwise VAT will be charged.

VAT ID No. _____

OTHER: With effect from 1 January 2011 applications from delegates whose companies are based outside of the UK/EU will be outside the scope of VAT, ie no VAT is charged or payable.

Title (Mr/Mrs/Ms/Dr/Prof):

First Name:

Surname:

Job Title:

Company:

Address:

Post Code:

Country:

Tel:

Fax:

Email address:

Signature:

Method of Payment:

Cheque (Please make payable to "PharmaTraining Ltd")

Bank transfer Credit/Debit Card (please register online)

Online Registration is available on our website: www.pharma-training-courses.com

Data Protection

PharmaTraining Ltd gathers personal data in accordance with the UK Data Protection Act 1998 and we may use this to contact you by telephone, fax, post or email to tell you about other products and services. If you have any queries or want to update any of the data that we hold then please contact us.

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Terms and Conditions: Delegate fees: Fees for this programme or suite of programmes are shown above. Delegate fees are inclusive of course documentation, refreshments and lunch. Payment of the registration fee must be paid within 14 days of commencement of the course. Upon receipt of payment, a proof of payment will be sent to you. **Cancellation Policy:** Full refunds less a handling fee of £100 will be made for cancellations received in writing within 28 days of the commencement of the course. Refunds of 50% will be made for cancellations received in writing between 28 and 7 days prior to the commencement of the course. Regrettably no refunds will be made after 7 days prior to commencement of the course. Substitutions can be made at any time. **Liability:** PharmaTraining Ltd reserves the right to change the programme, speakers, date or venue without notice or cancel the event. If cancellation occurs delegates will be notified as soon as possible and will receive full refund of fees paid. PharmaTraining Ltd will not be responsible for any airfare, accommodation or other travel costs incurred.