Encapsulation: Formulation, Processing, and Testing of Hard Shell Capsules

Day: Thursday, April 9, 2015   Time: 11:00 a.m.–12:30 p.m. (ET)
Location: Your Computer   Offering #  1504-203   Priority Code: 520
(Available On-Demand starting 4/10/15)

WHO SHOULD ATTEND

This online training will be valuable to professionals in the following industries: Pharmaceutical, Biotechnology, Nutritional Supplements (Nutraceuticals), Food, Cosmetics, etc.

Professionals in the job functions that would benefit from this course include: Pharmaceutical Scientists, Engineers, Formulators, Chemists, Auditors, Managers, Supervisors

Technicians in departments such as: Research and Development, Manufacturing (Clinical, Commercial), Technical Operations, Regulatory, QA, QC, Clinical, etc.

LEARNING OBJECTIVES

Upon completion of this training, you will be able to:
• Discuss in broad terms hard shell capsule formulation and process design and development
• Describe the small scale and commercial scale equipment available for encapsulation
• List the in process tests performed during encapsulation
• Give examples of the pharmacopoeial and regulatory requirement for finished product testing

COURSE DESCRIPTION

The topics covered in this 90-minute accredited training course include hard shell capsule formulation design and development, process development, manufacture, commercially available processing (filling) equipment, in process tests and finished product tests performed for hard shell capsules, as well as pharmacopoeial and regulatory requirements. The course material will be of immediate and direct benefit to the individual and their company.

Review of Learning Objectives

Module 1: Overview – Solid Oral Dosage Forms and Hard Shell Capsules:
• Advantages and disadvantages of unit dose products
• Types of solid oral dosage forms
• Types of materials used for manufacture of commercially available hard shell capsules
• Different shells types available for different applications
  – double blind clinical trials
  – preclinical studies
  – liquid filled hard shell capsules, etc.

Module 2: Manufacturing (Filling) of Hard Shell Capsules:
• Basic stages of encapsulation process using hard shell capsules
• Operating principles of commercial equipment available for encapsulation

Module 3: Formulation & Process Considerations and In Process & Finished Product Testing:
• Formulation Variables
• Processing Considerations
• In Process & Finished Product Testing (including compendial and regulatory requirements):
  – in process tests for process control and
  – quality control tests for finished product testing and release

Question and Answer Session

For more information see reverse side
COURSE DIRECTOR

Dr. Sree Nadkarni, Ph.D.
The course director, Dr. Sree Nadkarni, has a Ph.D. degree in Pharmaceutical Sciences and over 25 years of industrial experience in new drug discovery, development and manufacturing. He has developed formulations and processes and completed scale-up / technology transfer to commercial manufacturing for several drugs on the market. Dr. Nadkarni is currently the Sr. Director of Pharmaceutical Development (CMC) at Biotie Therapies. Previously, he assumed roles of increasing responsibility with multiple pharmaceutical companies including Depomed, FibroGen, CV Therapeutics, Pharmacia / Pfizer and Allergan. Dr. Nadkarni is a member of American Association of Pharmaceutical Scientists and has been a speaker at various conferences and a program director of a 3-day course on “Tablets & Capsules: Development, Manufacture, Testing and Regulatory Filings”.

TUITION AND REGISTRATION

TUITION*  Single Rate: U.S. $295.00 per person  Group Rate: U.S. $245.00 per person**

Register at www.cfpa.com. Enter Course Offering #1504-203 into Search. To register use Priority Code: 520.

Tuition payable in US funds net of all charges. Payment is due at time of registration in the form of a credit card. Please contact CfPA’s Customer Service for other payment options.

WHO WE ARE

The Center for Professional Advancement is the largest accredited technical training organization in the world with a curriculum of approximately four hundred and fifty short courses in 15 industries including Pharmaceutical, Biotechnology, Medical Device, Chemical, Cosmetics, Food and more.

Since our founding in 1967, we have successfully trained nearly a half million people worldwide in topics ranging from basic and introductory concepts to new advances and cutting-edge technology, and current U.S. and European regulations. CfPA courses are offered in a variety of formats – Public offering, Client Site and Online – to fit you or your company’s training needs.

For more information visit our website at www.cfpa.com

COURSES OF INTEREST

- Advanced Tablet Press Operation  course ID# 2206
- Granulation, Tabletting and Capsule Technology  course ID# 541
- Pharmaceutical Process Development  course ID# 1358
- Pharmaceutical Quality Assurance and Control  course ID# 224
- Powder Mixing Technology  course ID# 777
- Scale-Up and Post Approval Changes Guidelines (SUPAC & API Changes)  course ID# 1948
- Tablet Production for Operators and Supervisors  course ID# 1428

ACCREDITATIONS

The Center for Professional Advancement has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500 McLean, VA 22102. In obtaining this approval, The Center for Professional Advancement has demonstrated that it complies with the ANSI/IACET Standards which are widely recognized as standards of good practice internationally. The Center for Professional Advancement is therefore authorized to offer IACET CEUs for its programs that qualify under the ANSI/IACET Standards.

CEU will be awarded for participation in The Center for Professional Advancement’s courses at the rate of .1 CEU per contact hour. CEU will be awarded only upon successful completion of the entire course and 70% accuracy in the required Learners’ Assessment.

TERMS AND CONDITIONS

*Payment: Tuition payable in US funds net of all charges. Payment is due at time of registration in the form of a credit card. Please contact CfPA’s Customer Service for other payment options.

**Group Rate: The Group Rate is for two or more enrollments, up to five registering from the same company at the same time. For groups of six or more, please contact Customer Service for group pricing.

Cancellations/No Show: “Live” - Registrants may cancel up to two working days prior to the course start date and will receive a letter of credit to be used towards a future course up to one year from date of issuance. No credit will be issued for no-shows and/or cancellations less than two working days prior to the course. “On-Demand” - No refund or credit will be issued for no-shows and/or cancellations of on-demand training courses. CfPA is not responsible for any outside related costs incurred by registrant’s cancellation.

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