Professional Training Session
Pharmaceutical, Medical and Cosmetic Industries
Innovate with Supercritical Fluids!
2-Day Course

Dates and Venue
2 sessions a year:
March - April
September – October
from 9h30 to 17h30
Ineed, Valence, France

Aims
Gain a better understanding of the challenges and innovations compared to conventional processes
Gain an insight into the implementation and projection to industries
Discover supercritical fluids applications for the treatment of biomolecules

Audience
Technical Directors
Production Managers
R&D Managers
Industrial development Managers
Engineers

On the plus side
Case study:
Technology transfers: from laboratory to industry
A limited number of participants for more interaction with speakers

Programme:

Day 1: Keys to understand the mechanisms involved in supercritical fluids processes

1/ Extraction, fractionation and purification processes
Introduction on the specific properties of supercritical fluids

2/ Particle generation processes
Micronisation, Formulation of sustained release drug delivery systems, Encapsulation

3/ Impregnation processes
Impregnation of powders, polymeric systems, implants

4/ Sterilisation in CO₂ under pressure

5/ Latest innovations: coupled processes

Practical applications: Demonstration on a pilot scale unit

Day 2: Industrialization of processes

1/ Scale-up of extraction, liquid fractionation and impregnation processes – Overview of industrial units

2/ Scale-up of particle generation processes

3/ Good Manufacturing practices

Visit (in option) of a semi-industrial pilot plant near Valence City

Speakers coming from both academies and industries
Elisabeth BADENS, Professor at Paul Cézanne Aix Marseille University
Frantz DESCHAMPS, General Director, Stanipharm
Hubert LOCHARD, Pierre Fabre Médicaments, Supercritical Fluid Division
Karima BENAISSI, Technical Manager, I.F.S.

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