

Fundamentals of Dissolution: Guidance for the Verification and Qualification of a Dissolution Apparatus (with lab)

Course Overview

This two-day theory and laboratory course will emphasize the fundamentals of dissolution testing of solid oral dosage forms with a focus on the qualification of USP dissolution apparatus 1 and apparatus 2. The first day will be dedicated to classroom learning on dissolution theory and the guidance presented in *USP–NF* General Chapter <711>, the handling of dissolution data, and the qualification of an apparatus to prove its suitability for use. The second day will be a laboratory hands-on practice of the instrument qualification and conducting the Performance Verification Test (PVT).

Learning Objectives

Upon completion of this course, you will be able to

- Interpret the *USP–NF* and related dissolution chapters, its revision process, and USP's perspective on dissolution
- Outline the history and theoretical basis of dissolution testing
- Explain key definitions of dissolution testing
- Interpret USP General Chapter <711>
- Set up, verify and qualify a dissolution apparatus (focus on apparatus 2)
- Use acceptance tables and handle sampling, calculation, and dissolution data
- Examine apparatus suitability
- Conduct Performance Verification Test

Who Should Participate

Dissolution chemists, analytical chemists, and laboratory technicians who are new to dissolution or need a refresher course on the topic.

USP Approved Instructor

Margareth Marques
USP, Principal Scientific Liaison
Ph.D., analytical chemistry, State University of Campinas



Why Choose USP Education?

USP Education provides year-round courses and programs on how to effectively interpret and apply USP's internationally recognized quality standards. The standards help ensure the quality and safety of medicines, dietary supplements and foods.

USP courses are created by the scientists and experts who help develop the USP standards that are used worldwide. Courses are presented by approved instructors with practical, first-hand knowledge of the subject area and related standards. The insights they share will not only make your daily work easier, but will also connect you to an independent, nonprofit scientific body with the goal of creating a strong foundation for a healthier world.

Duration: 2 days

Location: Aesch, Switzerland

Format: Classroom + Laboratory

Course ID: CM-711-03

Date: October 28-29, 2019, 9:00 a.m.–5:00 p.m.

Fee: US \$1,190
Early bird price: US \$990 through June 21

To register or for information on group pricing, please visit <http://education.usp.org> or email education@usp.org.